

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS. WELL LOG. ELECTRIC LOGS. ☒ WATER SANDS. LOCATION INSPECTED. SUB. REPORT/abd.

DATE FILED MARCH 14, 1997

LAND: FEE & PATENTED FEE STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED: JUNE 10, 1997

SPUDDED IN: 10/22/97

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

FIELD: DRUNKARDS WASH

UNIT: DRUNKARDS WASH

COUNTY: CARBON

WELL NO. FAUSETT D5

API NO. 43-007-30351

LOCATION 467 FNL FT. FROM (N) (S) LINE. 1461 FWL

FT. FROM (E) (W) LINE. NE NW

1/4 -- 1/4 SEC. 16

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL OR DEEPEN		5. Lease Designation and Serial Number: Patented	
1A. Type of Work: DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name: N/A	
		7. Unit Agreement Name: Drunkards Wash UTU-67921X	
B. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER: Water Disposal SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. Farm or Lease Name: Fausett	
2. Name of Operator: River Gas Corporation		9. Well Number: D5	
3. Address and Telephone Number: 1305 South 100 East, Price, UT 84501 (801)637-8876		10. Field or Pool, or Wildcat: Drunkards Wash	
4. Location of Well (Footages) At Surface: 461 ¹⁴⁶¹ FNL & 1457 ¹⁴⁶¹ FWL At Proposed Producing Zone:		11. Qtr/Qtr, Section, Township, Range, Meridian: NE/NW, S16, T14S, R9E, SLB&M	
14. Distance in miles and direction from nearest town or post office: 6.2 miles west of Price, Utah		12. County: CARBON	13. State: UTAH
15. Distance to nearest property or lease line (feet): 466'	16. Number of acres in lease: 320 acres	17. Number of acres assigned to this well: N/A	
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet): 1400'	19. Proposed Depth: 8000 FT	20. Rotary or cable tools: ROTARY	
21. Elevations (show whether DF, RT, GR, etc.): 6217' GR		22. Approximate date work will start: April 1997	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	13 3/8"			
12 1/4"	9 5/8"	36	900'	495 sx "G"
8 1/2"	7"	26	8000'	420 sx 50/50 POZ + 270 sx RFC

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Name & Signature: Steven L. Prince *Steven L. Prince* Title: Regulatory Manager Date: 3/10/97
(This space for state use only)

API Number Assigned: 43-007-30351

Approval: *John R. Baya* 6/10/97
Petroleum Engineer

TOWNSHIP 14 SOUTH

N 0°42'10" W 5137.12'

N 87°12'31" E

2651.40'

467'

1461'

N 89°31'46" E

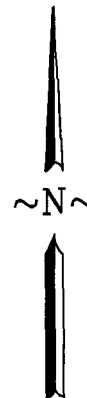
2635.62'

RIVER GAS CORP.
WELL # UTAH 16 'D-5'
SET 5/8"X24" REBAR
ELEV. 6217'

16

BASIS OF ELEVATION

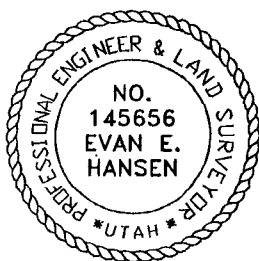
OF 6245 AS INDICATED ON THE
WELL STAKED BY POWERS ELEVATION
CO. INC. LOCATED IN THE NW 1/4 OF
SECTION 16 T 14 S, R 9 E, SLB&M.

LEGEND

- FOUND BRASS CAP
- SEARCHED FOR BUT NOT FOUND
- FOUND ROCK CORNER

BASIS OF BEARING

BASIS OF BEARING N 01°42'10" W MEASURED
BETWEEN THE SW CORNER AND THE NW CORNER
OF SECTION 16, TOWNSHIP 14 SOUTH, RANGE 9
EAST, SALT LAKE BASE AND MERIDIAN.

ENGINEER'S CERTIFICATE

I, EVAN E. HANSEN, DO HEREBY CERTIFY THAT I AM A
REGISTERED LAND SURVEYOR AND PROFESSIONAL ENGINEER
HOLDING CERTIFICATE NO. 145656 AS PRESCRIBED UNDER
THE LAWS OF THE STATE OF UTAH. I FURTHER CERTIFY
THAT I HAVE MADE A SURVEY OF THE TRACT OF GROUND
SHOWN AND THAT IT IS TRUE AND CORRECT TO THE BEST
OF MY KNOWLEDGE.

Evan E. Hansen
EVAN E. HANSEN

FEB. 25, 1997
DATE

NE1/4 NW1/4 SEC. 16, T 14 S, R 9 E, S.L.B. & M.

Empire Engineering

1665 E. Sagewood Rd. Price, Utah 84501

RIVER GAS CORP.

WELL # UTAH 16 'D-5'

Drawn By:
RH

Approved By:
EEH

Drawing No.

EEOG-16D5

Date:
02-25-97

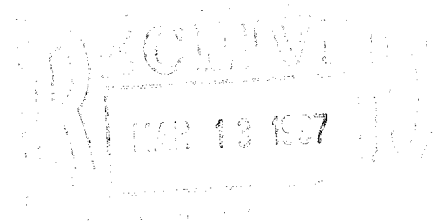
Scale:
1"=1000'

SHEET 1 OF 1



RIVER GAS CORPORATION

UTAH OPERATIONS
1305 South 100 East
Price, Utah 84501
Bus. (801) 637-8876
FAX (801) 637-8924



March 10, 1997

Mr. R.J. Firth
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Post Office Box 145801
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill-
Disposal Well 5, NE/NW of Section 16
T14S, R9E, SLB & M, Carbon County, Utah

Dear Mr. Firth:

Enclosed is the original and one copy of the *Application for Permit to Drill* (APD) for the above named well. Included with the APD is the following information:

- Exhibit "A" - Survey plat of the proposed well site;
- Exhibit "B" - Proposed Location Map with Pipeline, Power, and Road Access'
- Exhibit "C" - Evidence of Bond;
- Exhibit "D" - Drilling Information;
- Exhibit "E" - Well Site Plan;
- Exhibit "F" - Typical Road Cross-section;
- Exhibit "G" - BOP Diagram;

A surface land use agreement is currently being negotiated. Upon completion, an affidavit regarding the agreement will be submitted to your office.

Proposed gas, water, and utility line routes from the wellsite are shown in Exhibit "B", but are subject to change if requested by the land owner or his/her representative.

Please accept this letter as River Gas Corporation's written request for confidential treatment of all information contained in and pertaining to this permit application, if said information is eligible for such consideration. This request is made in accordance with the State of Utah's Oil and Gas Conservation General Rules item number R649-2-11.

Thank you very much for your timely consideration of this application. Please feel free to contact me if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Steven L. Prince". The signature is written in dark ink and is positioned above the printed name and title.

Steven L. Prince

Regulatory Manager

cc: Mr. Edward W. Bonner, SITLA
Mr. Eric Jones, BLM, Moab, Utah
Mr. Dean Nyffler, BLM, Price, Utah
Mr. Robert A. Hendricks, BLM, Salt Lake City, Utah
Mr. J.R. French, Texaco
Mr. R.A. Lamarre, Texaco
Mr. Gee Lake, Jr., Dominion Resources
Mr. Dennis Plowman, RGC
Mr. Gilbert Hunt, DOGM

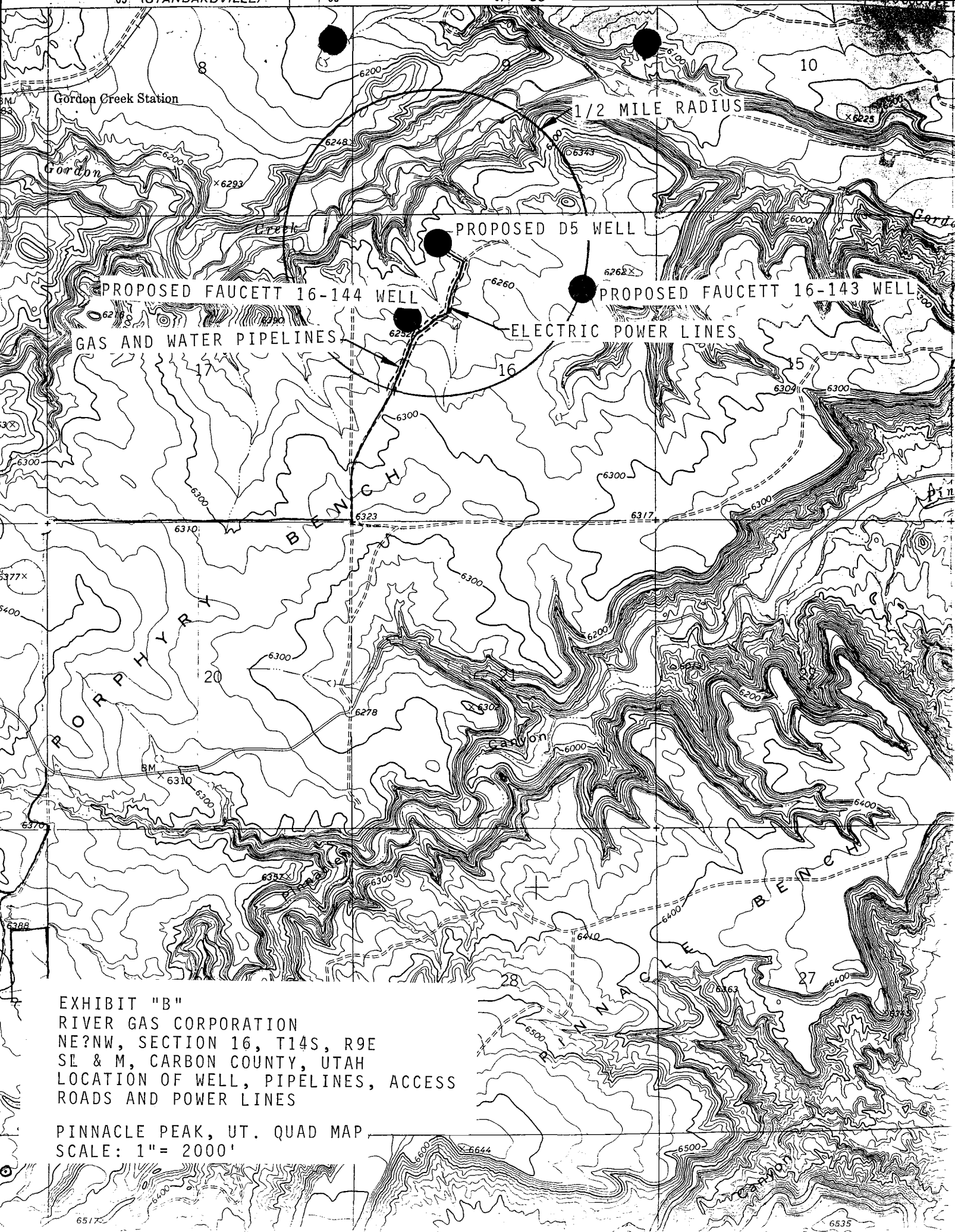


EXHIBIT "B"
RIVER GAS CORPORATION
NE?NW, SECTION 16, T14S, R9E
SE & M, CARBON COUNTY, UTAH
LOCATION OF WELL, PIPELINES, ACCESS
ROADS AND POWER LINES

PINNACLE PEAK, UT. QUAD MAP
SCALE: 1" = 2000'

TELEX: 6827189
Cable: AMSOUBKBHM
S.W.I.F.T. AMSB US 44

AMSOUTH BANK OF ALABAMA
1900 FIFTH AVENUE NORTH
BIRMINGHAM, ALABAMA 35203 USA
OUR REFERENCE NUMBER: S308586

International Services

Mobile:

TELEX: 6821116
Cable: AMSOMBL
S.W.I.F.T. AMSB US 44

AMENDMENT NUMBER: 002
TO LETTER OF CREDIT NUMBER: S308586
DATE: NOVEMBER 13, 1995

BENEFICIARY:
STATE OF UTAH
DEPT. OF NATURAL RESOURCES
DIV. OF OIL, GAS AND MINING
355 WEST TEMPLE 3 TRIAD CENTER
SUITE 350
SALT LAKE CITY, UTAH 84180-1203

AT THE REQUEST OF RIVER GAS CORPORATION 3600 WATERMELON ROAD
SUITE 204 NORTHPORT, ALABAMA 35476 AND FOR THE ACCOUNT OF SAME

WE HEREBY AMEND OUR LETTER OF CREDIT NUMBER S308586 DATED
DECEMBER 3, 1993 OPENED IN YOUR FAVOR AS FOLLOWS:

-ACCOUNT PARTY'S ADDRESS IS CHANGED
TO: 511 ENERGY CENTER BLVD
NORTHPORT, ALABAMA 35476

**REFERENCES HEREIN TO AMSOUTH BANK N.A. SHALL BE DEEMED TO REFER
TO AMSOUTH BANK OF ALABAMA.**

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.
THIS AMENDMENT BECOMES AN INTEGRAL PART OF THE ORIGINAL LETTER OF
CREDIT AND IS TO BE ATTACHED THERETO.

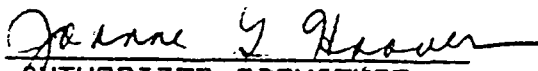

AUTHORIZED SIGNATURE

EXHIBIT "D"- Page 1
RIVER GAS CORPORATION
Drilling Information

Faucett D-5 (Disposal Well)

468' FNL & 1457' FWL

Section 16, Township 14 South, Range 9 East, Carbon, Utah

R615-3-4 Permitting of Wells to be Drilled, Deepened or Plugged Back

2.1 Telephone numbers for additional information:

Billy Stacy	(801) 637-8876 Office
V.P. of Operations	(801) 636-5560 Mobile
Steven L. Prince	(801) 637-8876 Office
Regulatory Manager	(801) 636-5256 Mobile
Jerry Dietz	(801) 637-8876 Office
Production Superintendent	(801) 636-5114 Mobile
Lenny Grimsley	(801) 637-8876 Office
Pipeline Specialist	(801) 636-5259 Mobile
Michael J. Farrens	(205) 759-3282 Office
Vice President	(205) 758-8535 Home

2.2 Lease: Patented Land

2.3 This gas well will be drilled approximately 6.2 miles West of Price, Utah.

2.4 Survey Plat: See Exhibit " "

2.5 Water will be purchased from Price River Water Improvement District, PRWID. This was previously arranged by Mr. Mike Farrens of RGC with Mr. Phillip Palmer of PRWID and approved by Mr. Mark Page of the Utah State Division of Water Rights.

2.6 Drilling Program

2.6.1 Following is a tabulation of the geologic units and the respective depths where they are expected to be penetrated in the well.

Exhibit "D" - Page 2
RIVER GAS CORPORATION
Drilling Information Cont.

<u>Formation/Unit</u>	<u>Estimated Depth(top)</u>
Upper Mancos Shale	Surface
Ferron Sandstone	2640'
Tununk Shale	2910'
Dakota/Cedar Mtn	3250'
Morrison	3930'
Summerville	4560'
Curtis	5010'
Entrada	5220'
Carmel	6020'
Navajo	6780'
Kayenta	7080'
Wingate	7180'
Chinie	7600'

2.6.2 This well will be utilized strictly for the injection of produced waters from RGC's offset coalbed methane wells. Zones that have shown to be gas and water-bearing are the coals and sandstones of the Ferron Formation. The Navajo Sandstone is expected to be water-bearing, and potentially containing CO₂.

2.6.3 A rotating head with a diverter system will be used to drill the surface hole. For the remainder of the drilling (surface shoe to TD), a double gate 3000 psi BOPE will be used with a rotating head. This equipment will be tested to 2100 psi or 70% of the minimum interval yield pressure. All tests will be recorded in a Driller's Report Book. Physical operation of the BOP's will be checked on each trip. See Attachment "G" for a schematic of the BOPE.

2.6.4 Casing Program- 13 3/8 conductor pipe will be set to approximately 20'. Surface casing will be 9 5/8" 36 lb./ft. set to 900' and cemented with 495 sacks of class "G" cement with 2% CaC₁₂. which has a density of 15.8 lb./gal. Production casing will be 7", 26 lb./ft. LTC which will be run to TD and cemented with 420 sacks of 50/50 Pozmix cement and tail-in with 270 sacks of "RFC". Cement volumes may vary depending on hole conditions.

2.6.5 Mud Program:

<u>Depth</u>	<u>Hole Size</u>	<u>Program</u>
0-900'	12 1/4" hole	Drill with air.
900'-TD'	8-1/2" hole	Drill with air. 400 psi. @ 1500-1800 scf.

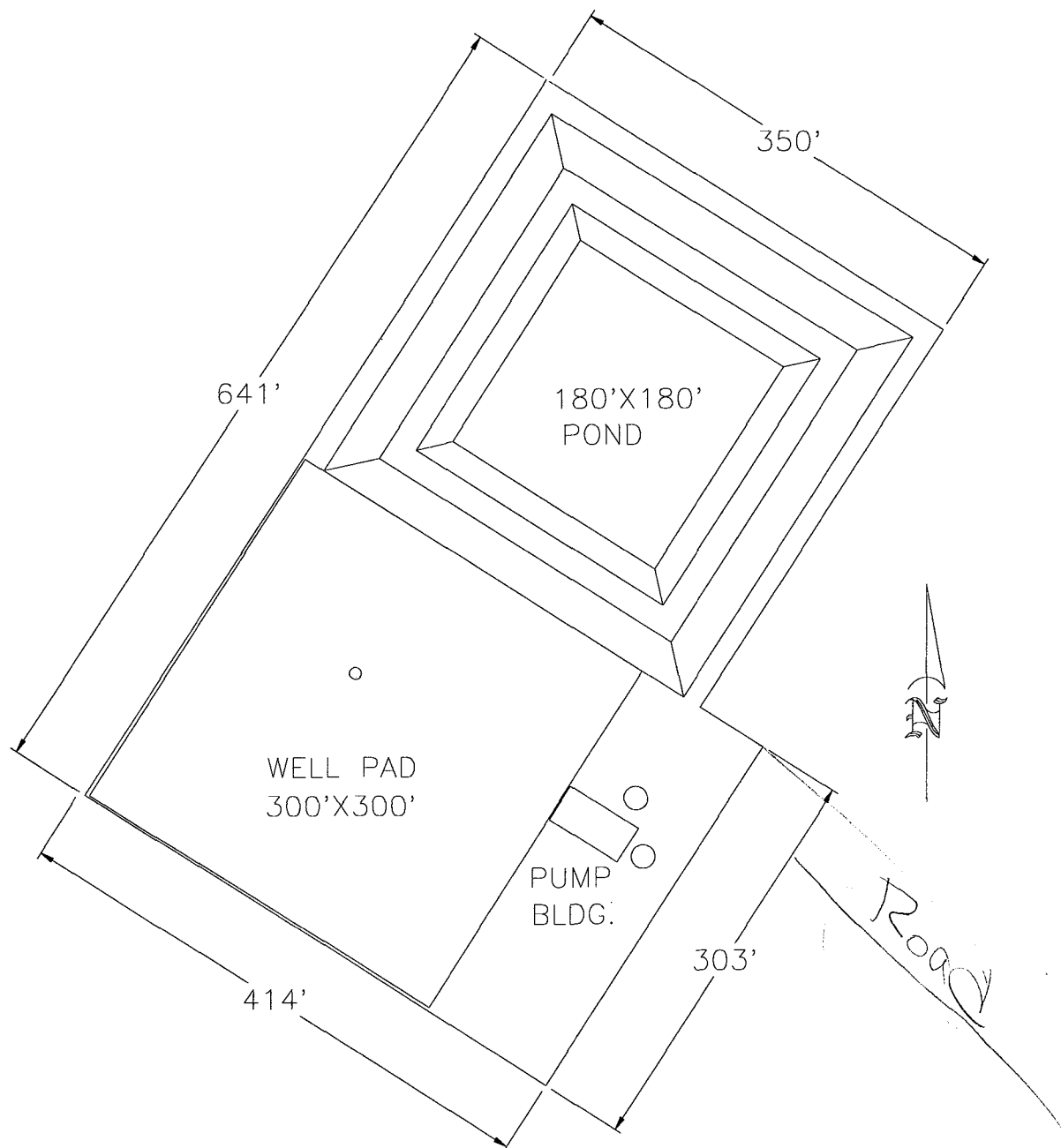
If necessary to mud-up, a fresh water EZ-Mud (PHPA) and PAC polymer system will be used.

2.6.6 Logging and Testing Program:

<u>Depth</u>	
0-900'	Gamma Ray
900-TD	GR,DIL, LDT, CNL, DSI SONIC

2.6.7 We expect a bottom hole pressure of 2900 psi. No hazards are expected.

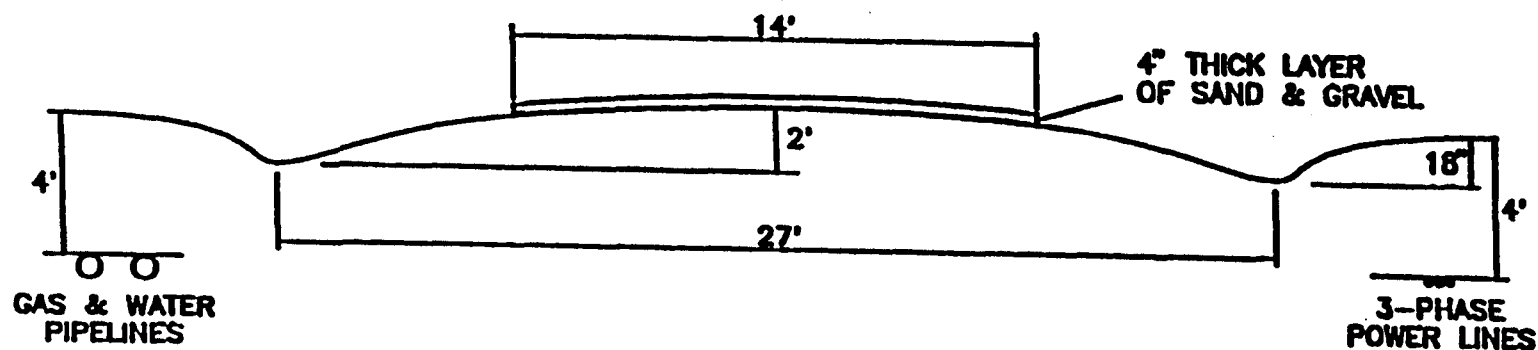
PROPOSED DISPOSAL WELL D-5



Disturbed Area - 242,180 sq. ft. (5.56 ac.)

RIVER GAS CORP.
3/6/97

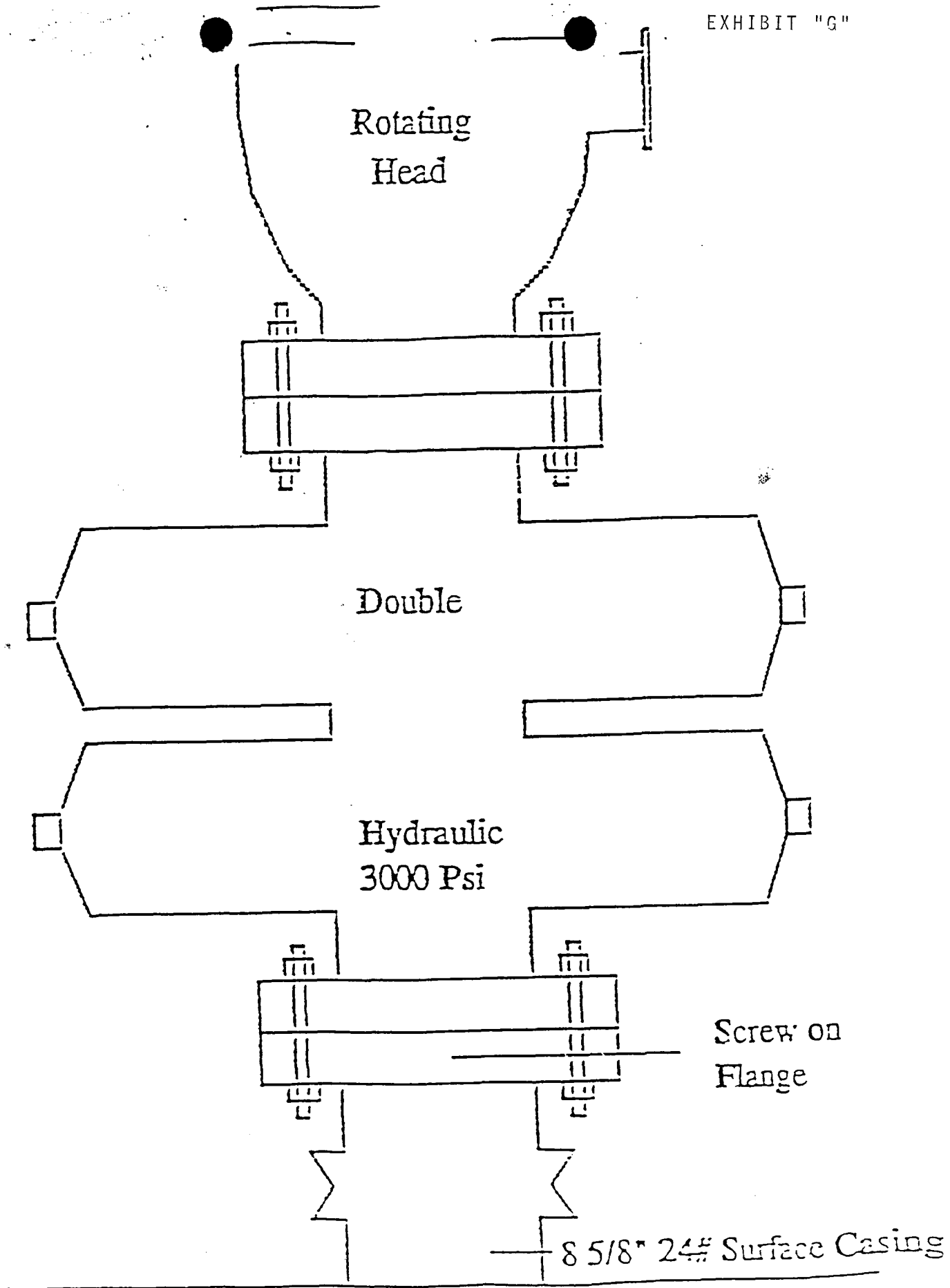
RIVER GAS CORPORATION



TYPICAL ROAD CROSS-SECTION

NOT TO SCALE

12/1/93



DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:
Patented

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

6. If Indian, Allottee or Tribe Name:
N/A

1A. Type of Work:

DRILL ☒DEEPEN ☐

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

B. Type of Well:

OIL ☐GAS ☒OTHER: ~~Water Disposal~~SINGLE ZONE ☐MULTIPLE ZONE ☒

8. Farm or Lease Name:

Fausett

2. Name of Operator:

River Gas Corporation

9. Well Number:

D5

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

10. Field or Pool, or Wildcat:

Drunkards Wash

4. Location of Well (Footages)

At Surface: ¹⁴⁶¹~~466~~ FNL & ¹⁴⁵⁷~~1457~~ FWL

At Proposed Producing Zone:

CONFIDENTIAL

11. Qtr/Qtr, Section, Township, Range, Meridian:

NE/NW, S16, T14S, R9E, SLB&M

14. Distance in miles and direction from nearest town or post office:

6.2 miles west of Price, Utah

12. County:

CARBON

13. State:

UTAH

15. Distance to nearest

property or lease line (feet): 466'

16. Number of acres in lease:

320 acres

17. Number of acres assigned to this well:

N/A

18. Distance to nearest well, drilling,

completed, or applied for, on this lease (feet): 1400'

19. Proposed Depth:

8000 FT

20. Rotary or cable tools:

ROTARY

21. Elevations (show whether DF, RT, GR, etc.):

6217' GR

22. Approximate date work will start:

April 1997

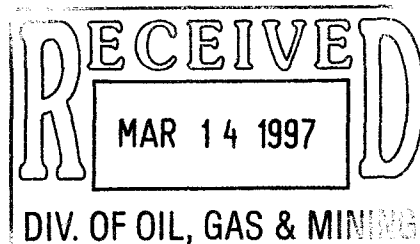
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	13 3/8"			
12 1/4"	9 5/8"	36	900'	495 sx "G"
8 1/2"	7"	26	8000'	420 sx 50/50 POZ + 270 sx RFC

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

CONFIDENTIAL



24.

Name & Signature: Steven L. Prince

Steven L. Prince

Title: Regulatory Manager

Date: 3/10/97

(This space for state use only)

API Number Assigned:

43-007-30351

Approval:

John R. Baya
Petroleum Engineer

6/10/97

RANGE 9 EAST

TOWNSHIP 14 SOUTH

N 87°12'31" E 2651.40'

N 89°31'46" E 2635.62'

467'

1461'

RIVER GAS CORP.
WELL # UTAH 16 'D-5'
SET 5/8"X24" REBAR
ELEV. 6217'

5137.12'

N 0°42'10" W




16

BASIS OF ELEVATION

OF 6245 AS INDICATED ON THE
WELL STAKED BY POWERS ELEVATION
CO. INC. LOCATED IN THE NW 1/4 OF
SECTION 16 T 14 S, R 9 E, SLB&M.

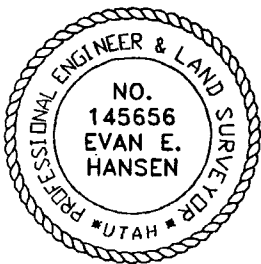
~N~

LEGEND

-  FOUND BRASS CAP
 SEARCHED FOR BUT NOT FOUND
 FOUND ROCK CORNER

BASIS OF BEARING

BASIS OF BEARING N 01°42'10" W MEASURED
BETWEEN THE SW CORNER AND THE NW CORNER
OF SECTION 16, TOWNSHIP 14 SOUTH, RANGE 9
EAST, SALT LAKE BASE AND MERIDIAN.

ENGINEER'S CERTIFICATE

I, EVAN E. HANSEN, DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR AND PROFESSIONAL ENGINEER HOLDING CERTIFICATE NO. 145656 AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH. I FURTHER CERTIFY THAT I HAVE MADE A SURVEY OF THE TRACT OF GROUND SHOWN AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Evan E. Hansen
EVAN E. HANSEN

FEB. 25, 1997
DATE

NE1/4 NW1/4 SEC. 16, T 14 S, R 9 E, S.L.B. & M.

Empire Engineering

1665 E. Sagewood Rd. Price, Utah 84501

RIVER GAS CORP.

WELL # UTAH 16 'D-5'

Drawn By:
RH

Approved By:
EEH

Drawing No.

EEOG-16D5

Date:
02-25-97

Scale:
1"=1000'

SHEET 1 OF 1



RIVER GAS CORPORATION

UTAH OPERATIONS

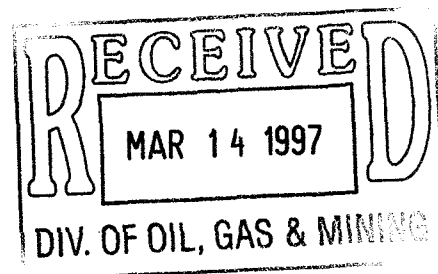
1305 South 100 East

Price, Utah 84501

Bus. (801) 637-8876

FAX (801) 637-8924

March 11, 1997



Mr. Gilbert Hunt
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Post Office Box 145801
Salt Lake City, Utah 84114-5801

RE: Injection Application for D5 Well
NE/NW of Section 16
T14S, R9E, SLB & M, Carbon County, Utah

Dear Mr. Hunt:

Enclosed please find the UIC Form 1 "Application For Injection Well" for our D5 Disposal Well. Included with the UIC are the following:

- Exhibit "A" - Wellbore Diagram
- Exhibit "B" - Ownership Plat
- Exhibit "C" - D2 Injection Feed Water Analysis
- Exhibit "D" - D-1 Connate Water Analysis

Also attached is a copy of the "APD" for the well. Much of the supporting information may be found in the APD. We will supply the bulk of the required informational after the well is drilled. Please inform me of any deficiencies regarding this application. Thank you for your assistance.

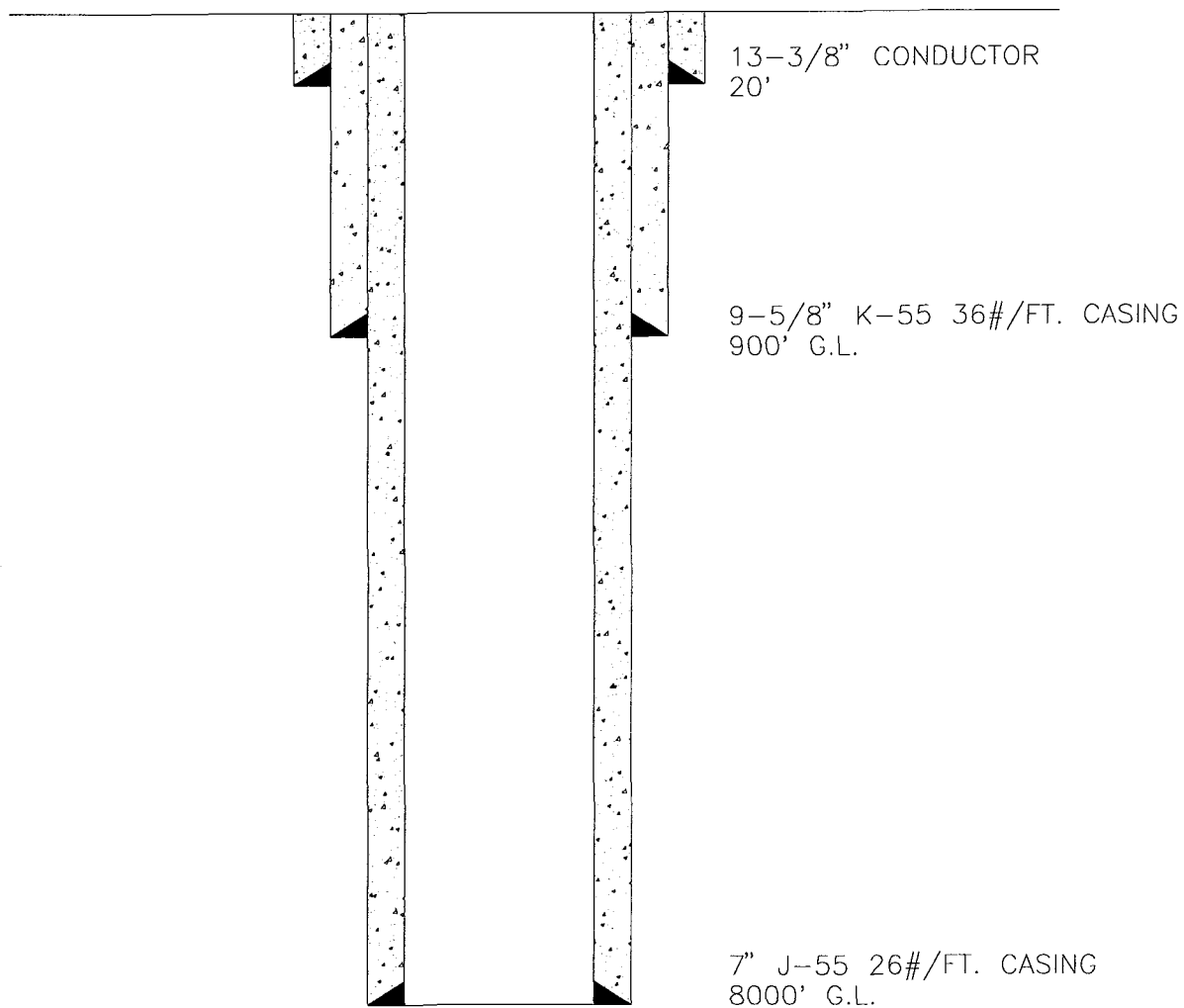
Sincerely,

A handwritten signature in cursive script that reads "Steven L. Prince".

Steven L. Prince
Regulatory Manager

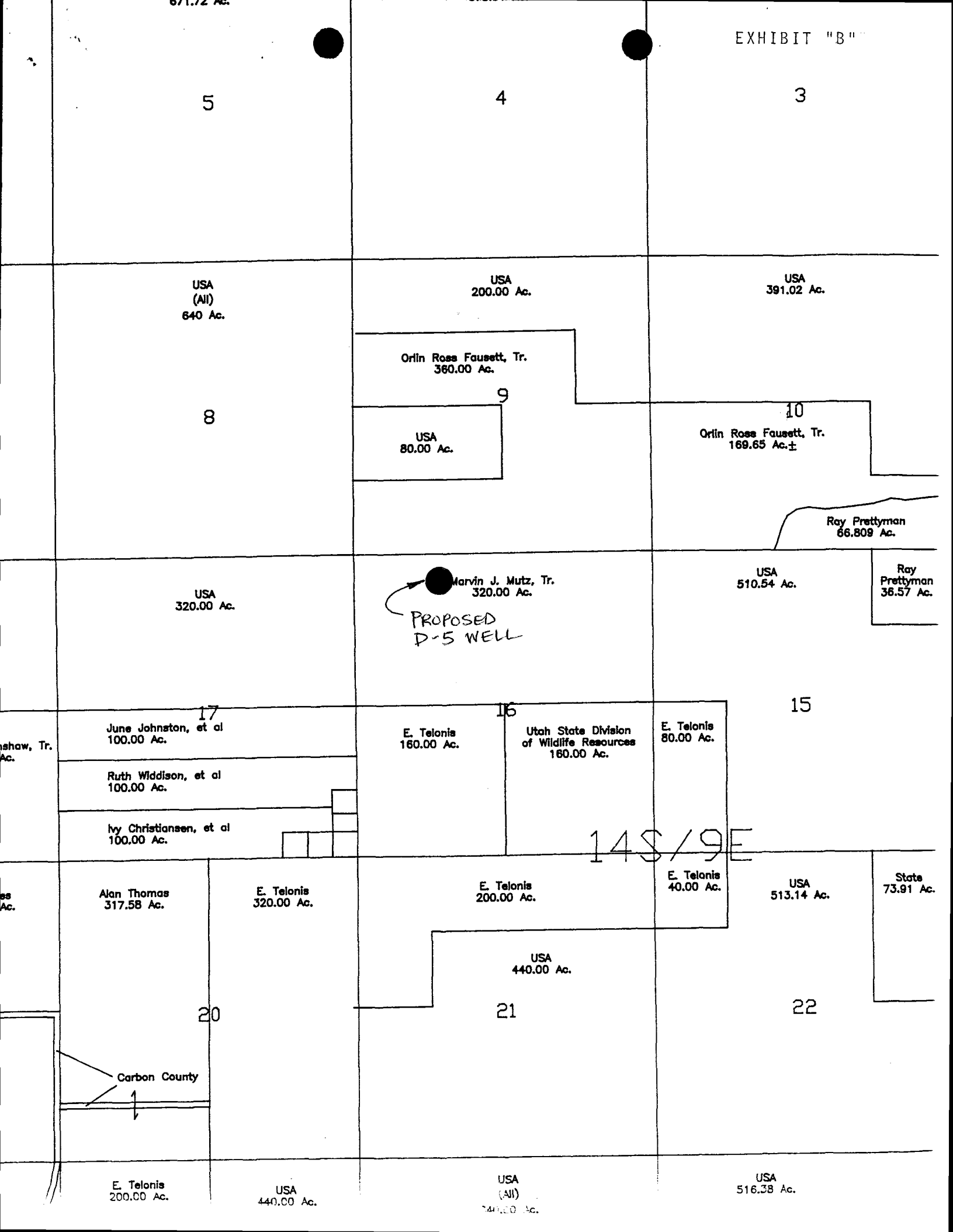
cc: Mr. Edward W. Bonner, SITLA
Mr. J.R. French, Texaco
Mr. R.A. Lamarre, Texaco
Mr. Gee Lake, Jr., Dominion Resources
Mr. Dennis Plowman, RGC

PROPOSED DISPOSAL WELL D-5
SEC. 16, T14S, R9E
(467' FNL, 1461' FWL)
CARBON COUNTY, UTAH



3/10/97

RIVER GAS CORPORATION



WATER ANALYSIS REPORT

Company RIVER GAS CORPORATION Address _____ Date 12-19-96

Source D-2 AFTER FILTERS Date Sampled 12-18-96 Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.2</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.006</u>		
4. Dissolved Solids		<u>7,643</u>	
5. Alkalinity (CaCO ₃)		<u>0</u>	
6. Bicarbonate (HCO ₃)	HCO ₃	<u>4,000</u>	÷ 61 <u>66</u> HCO ₃
7. Chlorides (Cl)	Cl	<u>1,300</u>	÷ 35.5 <u>36</u> Cl
8. Sulfates (SO ₄)	SO ₄	<u>0</u>	÷ 48 <u>0</u> SO ₄
9. Calcium (Ca)	Ca	<u>40</u>	÷ 20 <u>2</u> Ca
10. Magnesium (Mg)	Mg	<u>2</u>	÷ 12.2 <u>0</u> Mg
11. Total Hardness (CaCO ₃)		<u>110</u>	
12. Total Iron (Fe)		<u>1.2</u>	
13. Manganese			
14. Barium (Qualitative)			
15. Phosphate Residuals		<u>18</u>	Added at Injection

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

<u>2</u>	Ca	←	HCO ₃	<u>66</u>
<u>0</u>	Mg	→	SO ₄	<u>0</u>
<u>100</u>	Na	→	Cl	<u>36</u>

Compound	Equiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>2</u>			<u>162</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17				
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00	<u>64</u>			<u>5,376</u>
Na ₂ SO ₄	71.03				
NaCl	58.46	<u>36</u>			<u>2,105</u>

Saturation Values

CaCO₃

Distilled Water 20°C

13 Mg/l

CaSO₄ · 2H₂O

2,090 Mg/l

MgCO₃

103 Mg/l

REMARKS

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84068

Office (801) 722-5088
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY RIVER GAS

ADDRESS _____

DATE 1-17-96

SOURCE American Quassar

DATE SAMPLED 1-16-96

ANALYSIS NO. _____

31-01-DI Disposal Well

Anaerobic

Map (down)

Hand

1. PH	7.6		
2. H ₂ S (Qualitative)	1.0		
3. Specific Gravity	1.004		
4. Dissolved Solids	8,025		
5. Suspended Solids			
6. Anaerobic Bacterial Count	CI		CAL
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)	5,300	+81	87 HCO ₃
9. Chlorides (Cl)	3,500	+95.5	99 Cl
10. Sulfates (SO ₄)	0	+48	0 SO ₄
11. Calcium (Ca)	64	+20	3 Ca
12. Magnesium (Mg)	22	+12.2	2 Mg
13. Total Hardness (CaCO ₃)	250		
14. Total Iron (Fe)	4.1		
15. Barium (Qualitative)			
16. Phosphate Residuals			

*MILL equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Eq. Wt.	X	Mval	=	Mval
Ca(HCO ₃) ₂	81.04		3		243
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17		2		146
MgSO ₄	60.19				
MgCl ₂	47.82				
NaHCO ₃	84.00		82		1,848
Na ₂ SO ₄	71.03				
NaCl	58.46		99		5,788

Saturation Values	Distilled Water 25°C
CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,000 Mg/l
MgCO ₃	103 Mg/l

REMARKS Resistivity = .88 ohms/cm @ 71°F

CAL

NATURE SAVER™ FAX MEMO 01616

Date 1/18/96 For pages 1

To Allen Hunt From Rockelle Crabtree

Co/Dept. _____ Co. _____

Phone # HERE IT IS!!! Phone # _____

Fax # 758-5309 Fax # 637-8924



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE RESOURCES

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

Robert G. Valentine
Division Director

Southeastern Region
455 West Railroad Avenue
Price, Utah 84501-2829
801-637-3310
801-637-7361 (Fax)

April 1, 1997

Joseph L. Stephenson, RLP
River Gas Corporation
511 Energy Center Blvd.
Northport, Alabama 35476

RE: Disposal Well D-5; NE/NM, Sec. 16, T14S, R9E, SLBM, Carbon Co., Utah

Dear Mr. Stephenson:

As a surface owner within ½ mile of the proposed injection well, we request copies of all information provided to DOGM that relate to this well. Although you state the well will not influence shallow water zones, will you be collecting any information on water quality and quantity in these aquifers? If so, we would appreciate this information. If quality water is found it may help facilitate mitigation projects for the entire unit.

We are concerned with the location of the proposed injection well. I have already contacted Steven Prince of your office and explained that this well is located in an area defined as a 'big game habitat protection corridor' in the newly proposed 'Alternative D' of the Price Coalbed Methane EIS. An alternate location was suggested that was fairly close to the proposed location. Wildlife will benefit if the location can be moved the short distance.

As the proposed well is located in critical big game winter range, we recommend that no construction activity on this well take place from December 1 through April 15. This is also consistent with Alternative D. Several golden eagle nests are located in section 17, but the development should not pose a problem as long as the location is maintained at least ½ mile from the nests.

We appreciate your consideration of these comments. If you have any questions, please give me a call.

Sincerely,

Bill Bates
Regional Habitat Manager

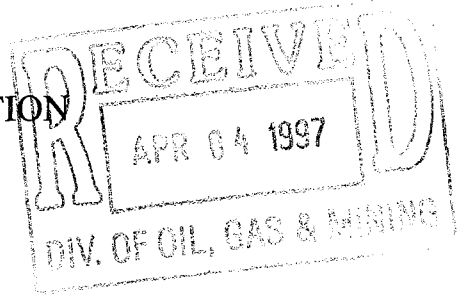
copy: Habitat, SLO
DOGM





RIVER GAS CORPORATION

UTAH OPERATIONS
1305 South 100 East
Price, Utah 84501
Bus. (801) 637-8876
FAX (801) 637-8924



April 3, 1997

Mr. Gilbert Hunt
Division of Oil, Gas and Mining
1594 W. North Temple-Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Reg. D5

Dear Gil:

Please find attached a copy of the list of surface owners within ½ mile radius of the D5 injection well. An affidavit has been sent by our land department, you should have received it by now, if not- call me. Also attached is our injection application data sheet, and APD Exhibit "D".

Thank you for your assistance in preparing this injection application as well as Dan Jarvis' assistance. Please contact me if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Steven L. Prince".
Steven L. Prince
Regulatory Manager

UTAH D-5 Injection Application

R649-5-2. Requirements for Class II Injection Wells Including Water Disposal, Storage And Enhanced Recovery Wells.

R649-5-2.2. The application for an injection well shall include a properly completed UIC Form 1.

: Included with correspondence of March 11, 1997.

R649-5-2.2.1 Plat showing the location of the injection well, all abandoned or active wells within a 1/2 mile radius of the proposed well, and the surface owner and the operator of any lands or producing leases, respectively, within a 1/2 mile radius of the proposed injection well.

:Included with correspondence of March 11,1997.

R649-5-2.2.2. Copies of electrical or radioactive logs, including gamma ray logs, for the proposed logs, for the proposed well run prior to the installation of casing and indicating the resistivity, spontaneous potential, caliper, and porosity.

:Will be submitted at a later date.

R649-5-2.2.3. A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

:Will be submitted at a later date.

R649-5-2.2.4 Copies of logs already on file with the division should be referenced, but need not be refiled.

:Will be submitted at a later date.

R649-5-2.2.5. A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

: Exhibit "D" Drilling Information from the APD filed March 10, 1997 is included.

R649-5-2.2.6. A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The fluid to be injected will be produced water from the Coalbed Methane wells that are operated by River Gas Corporation. Amounts to be injected daily cannot be positively quantified until tests have been run on the well.

:Will be submitted at a later date.

R649-5-2.2.7. Standard lab analysis of (1) the fluid to be injected, (2) the fluid in the formation into which the fluid is to be injected, and (3) the compatibility of the fluids.

:1 & 2 were included as Exhibits "C" and "D" of the original injection application, 3 is attached as Table 1.

R649-5-2.2.8. The proposed average and maximum injection pressures.

:Maximum 1600 psi, Average.

R649-5-2.2.9. Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

:Will be submitted at a later date.

R649-5-2.2.10. Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent; also information relative to geologic structure near the proposed well which may effect the conveyance and/or storage of the injected fluids.

:See APD Exhibit "D"- Drilling Information

R649-5-2.2.11. A review of the mechanical condition of each well within a 1/2 mile radius of the proposed injection well to assure that no conduit exists that could enable the fluids to migrate up or down the wellbore and enter improper intervals.

:There are no wells within a 1/2 mile radius.

R649-5-2.2.12. An affidavit certifying that a copy of the application has been provided to all operators, owners, and surface owners within a 1/2 mile radius of the proposed injection well.

:List is attached, affidavit should arrive soon.

R649-5-2.2.13. Any other additional information that the board or division may determine necessary to adequately review the application.

EXHIBIT "D"- Page 1
RIVER GAS CORPORATION
Drilling Information

Faucett D-5 (Disposal Well)
466' FNL & 1457' FWL
Section 16, Township 14 South, Range 9 East, Carbon, Utah

R615-3-4 Permitting of Wells to be Drilled, Deepened or Plugged Back

2.1 Telephone numbers for additional information:

Billy Stacy	(801) 637-8876 Office
V.P. of Operations	(801) 636-5560 Mobile

Steven L. Prince	(801) 637-8876 Office
Regulatory Manager	(801) 636-5256 Mobile

Jerry Dietz	(801) 637-8876 Office
Production Superintendent	(801) 636-5114 Mobile

Lenny Grimsley	(801) 637-8876 Office
Pipeline Specialist	(801) 636-5259 Mobile

Michael J. Farrens	(205) 759-3282 Office
Vice President	(205) 758-8535 Home

2.2 Lease: Patented Land

2.3 This gas well will be drilled approximately 6.2 miles West of Price, Utah.

2.4 Survey Plat: See Exhibit " A"

2.5 Water will be purchased from Price River Water Improvement District, PRWID. This was previously arranged by Mr. Mike Farrens of RGC with Mr. Phillip Palmer of PRWID and approved by Mr. Mark Page of the Utah State Division of Water Rights.

2.6 Drilling Program

2.6.1 Following is a tabulation of the geologic units and the respective depths where they are expected to be penetrated in the well.

Exhibit "D" - Page 2
RIVER GAS CORPORATION
Drilling Information Cont.

<u>Formation/Unit</u>	<u>Estimated Depth(top)</u>
Upper Mancos Shale	Surface
Ferron Sandstone	2640'
Tununk Shale	2910'
Dakota/Cedar Mtn	3250'
Morrison	3930'
Summerville	4560'
Curtis	5010'
Entrada	5220'
Carmel	6020'
Navajo	6780'
Kayenta	7080'
Wingate	7180'
Chinie	7600'

2.6.2 This well will be utilized strictly for the injection of produced waters from RGC's offset coalbed methane wells. Zones that have shown to be gas and water-bearing are the coals and sandstones of the Ferron Formation. The Navajo Sandstone is expected to be water-bearing, and potentially containing CO₂.

2.6.3 A rotating head with a diverter system will be used to drill the surface hole. For the remainder of the drilling (surface shoe to TD), a double gate 3000 psi BOPE will be used with a rotating head. This equipment will be tested to 2100 psi or 70% of the minimum interval yield pressure. All tests will be recorded in a Driller's Report Book. Physical operation of the BOP's will be checked on each trip. See Attachment "G" for a schematic of the BOPE.

2.6.4 Casing Program- 13 3/8 conductor pipe will be set to approximately 20'. Surface casing will be 9 5/8" 36 lb./ft. set to 900' and cemented with 495 sacks of class "G" cement with 2% CaC₁₂, which has a density of 15.8 lb./gal. Production casing will be 7", 26 lb./ft. LTC which will be run to TD and cemented with 420 sacks of 50/50 Pozmix cement and tail-in with 270 sacks of "RFC". Cement volumes may vary depending on hole conditions.

2.6.5 Mud Program:

<u>Depth</u>	<u>Hole Size</u>	<u>Program</u>
0-900'	12 1/4" hole	Drill with air.
900'-TD'	8-1/2" hole	Drill with air. 400 psi. @ 1500-1800 scf.

If necessary to mud-up, a fresh water EZ-Mud (PHPA) and PAC polymer system will be used.

2.6.6 Logging and Testing Program:

<u>Depth</u>	
0-900'	Gamma Ray
900-TD	GR,DIL, LDT, CNL, DSI SONIC

2.6.7 We expect a bottom hole pressure of 2900 psi. No hazards are expected.

Table 1

SL 4377

River Gas Corporation

D-3 Connate and Injection Water Analysis

Analyzed 5/1-5/2/96

	<u>Injection</u>	<u>Connate</u>
pH	8.71	6.14
Carbonate	420 mg/L	0 mg/L
Bicarbonate	3890 mg/L	705 mg/L
Chlorides	2518 mg/L	116163 mg/L
TDS	8402 mg/L	217264 mg/L
Sulfate	<1.6 mg/L	3390 mg/L
Calcium	17.5 mg/L	1390 mg/L
Magnesium	15.8 mg/L	465 mg/L
Iron	<2.5 mg/L	10.9 mg/L
Aluminum	<5.0 mg/L	<5.0 mg/L
Sodium	2600 mg/L	78500 mg/L
Potassium	63 mg/L	1500 mg/L
Hardness	109 mg/L	5386 mg/L

*probably a
Wingate sample
OK 10/11/02*

Examination of Injection and
Connate Water Compatibility

Mixing Ratio Connate/Injection	FeCO ₃ /CaCO ₃ (mg/L)	Final pH
75/25	95	6.88
50/50	127	7
25/75	85	7.38
Mixing Ratio Connate & DI		
75/25	24	6.68
50/50	1	6.78
25/75	0	6.97

STATE OF UTAH
UTAH GEOLOGICAL AND MINERAL SURVEY

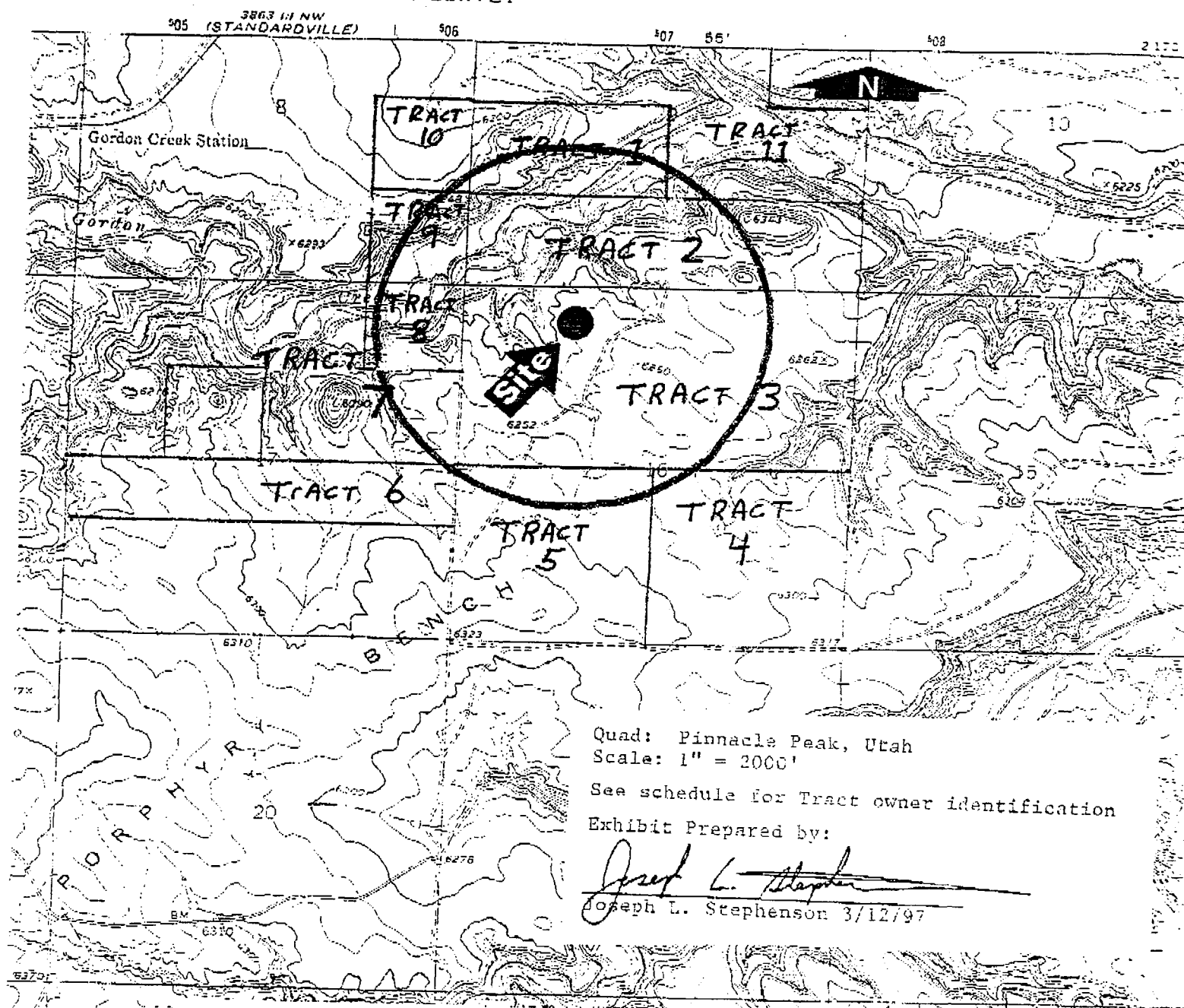


EXHIBIT "A"
PAGE 1 OF 5
River Gas Corporation
Proposed Disposal Well D-5
NE/NW, Section 16, T14S, R9E, S1M
Carbon County, Utah
Operators, Owners, Surface Owners Within 1/2 Mile Radius

EXHIBIT "A"

PAGE 2 OF 5

River Gas Corporation
Proposed Disposal Well D-5
NE/NW, Section 16, T14S, R9E, SLM
Carbon County, Utah

Operators, Owners, Surface Owners Within 1/2 Mile Radius

TRACT 1

Surface Owner:	United States of America
Mineral Owner:	United States of America all minerals
Oil & Gas Lease:	UTU-72003
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

TRACT 2

Surface Owner:	Orlin Ross Fausett
Mineral Owner:	Orlin Ross Fausett all mineral less oil & gas reserved to USA
Oil & Gas Lease:	UTU-72003
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

TRACT 3

Surface Owner:	Marvin J. Mutz, Trustee of the James W. Fausett Grandchildren's Irrevocable Trust Agreement dated 12/28/78
Mineral Owner:	Marvin J. Mutz, Trustee of the James W. Fausett Grandchildren's Irrevocable Trust Agreement dated 12/28/78
Oil & Gas Lease:	Patented (Fee) lease (Book 225 at Pages 613)
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

EXHIBIT "A"
PAGE 3 OF 5
River Gas Corporation
Proposed Disposal Well D-5
NE/NW, Section 18, T14S, R9E, SLM
Carbon County, Utah
Operators, Owners, Surface Owners Within 1/2 Mile Radius

TRACT 4

Surface Owner:	State of Utah, c/o Division of Wildlife Resources
Mineral Owner:	Lorraine Powell Paar (62.5%); Warrior Oil Company (37.5%)
Oil & Gas Lease:	Patented (Fee - Paar) (Book 335 at Page 453) Patented (Fee - Warrior Oil Co.) (being sent for recording)
Oil & Gas Lessee:	River Gas Corporation, Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

TRACT 5

Surface Owner:	Nick Sampinos, Power of Attorney for Fotini Telonis, et al
Mineral Owner:	Nick Sampinos, Power of Attorney for Fotini Telonis, et al
Oil & Gas Lease:	Patented (Fee) (Book 205 at Page 497)
Oil & Gas Lessee:	River Gas Corporation, Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

TRACT 6

Surface Owner:	Stephen L. Johnston and Judith J. Shepherd
Mineral Owner:	Stephen L. Johnston and Judith J. Shepherd
Oil & Gas Lease:	Patented (Fee) (Book 273 at Page 229)
Oil & Gas Lessee:	River Gas Corporation, Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

EXHIBIT "A"

PAGE 4 OF 5

River Gas Corporation
Proposed Disposal Well D-5
NE/NW, Section 16, T14S, R9E, SLM
Carbon County, Utah

Operators, Owners, Surface Owners Within 1/2 Mile Radius

TRACT 7

Surface Owner:	United States of America
Mineral Owner:	United States of America all minerals
Oil & Gas Lease:	UTU-50645
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

TRACT 8

Surface Owner:	United States of America
Mineral Owner:	United States of America all minerals
Oil & Gas Lease:	UTU-51584
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

TRACT 9

Surface Owner:	United States of America
Mineral Owner:	United States of America all minerals
Oil & Gas Lease:	UTU-75021
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

EXHIBIT "A"

PAGE 5 OF 5

River Gas Corporation
Proposed Disposal Well D-5
NE/NW, Section 16, T14S, R9E, SLM
Carbon County, Utah

Operators, Owners, Surface Owners Within 1/2 Mile Radius

TRACT 10

Surface Owner:	United States of America
Mineral Owner:	United States of America all minerals
Oil & Gas Lease:	UTU-73889
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

TRACT 11

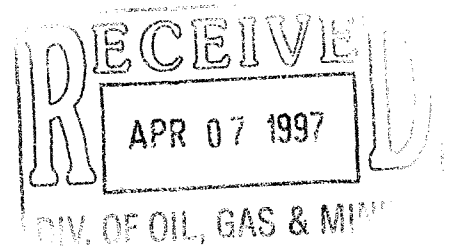
Surface Owner:	Orlin Ross Fausett
Mineral Owner:	Orlin Ross Fausett
Oil & Gas Lease:	Patented (Fee) (Book 336 at Page 70)
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation



RIVER GAS CORPORATION

511 Energy Center Blvd.
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188 (Accounting)
Fax (205) 758-5309 (Corporate)

April 1, 1997



Attention: Gil Hunt
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

Re: Affidavit of Notifications
Proposed Disposal Well D-5
Section 16-T14S-R9E: NE/NW
Carbon County, Utah

Dear Mr. Hunt:

I have enclosed an original executed Affidavit on the above described disposal well in Carbon County, Utah. There is an Exhibit "A" with this Affidavit that includes a map which points out where the tracts are located and a schedule describing tract owner identification. Also, attached is an Exhibit "B" with the owners address and information regarding letters that were sent out to them.

If you have any questions, please advise.

Sincerely yours,

A handwritten signature in cursive script that reads "Dana C. Campbell".

Dana C. Campbell
Lease Records Analyst

Enc.

/dcc

STATE OF ALABAMA)
)
) : ss.
COUNTY OF TUSCALOOSA)

(D-5)

**AFFIDAVIT OF NOTIFICATIONS MAILED REGARDING PROPOSED DRILLING
OF A WELL AND TESTING FOR POSSIBLE USE AS AN INJECTION WELL**

JOSEPH L. STEPHENSON, being first duly sworn upon his oath,
deposes and states:

1. I am Vice President - Land of River Gas Corporation ("RGC"), an Alabama corporation duly authorized to transact business in the State of Utah, and am authorized to execute this Affidavit on behalf of said corporation.

2. As Vice President - Land, I am responsible for supervision of lease records, reviewing title records and legal opinions affecting lands where RGC proposes to conduct operations, and providing notice to certain parties that may be affected by proposed operations.

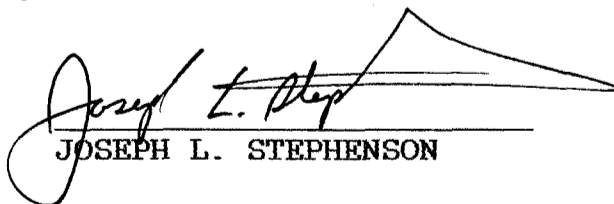
3. RGC proposes to drill a well drilled on land owned by Marvin J. Mutz, Trustee of the James W. Fausett Grandchildren's Irrevocable Trust Agreement dated 12/28/78 in the NE1/4 of NW1/4 of Section 16, T14S, R9E, SLM, Carbon County, Utah. Upon completion of drilling the well, tests will be conducted to determine if the well can be utilized as an injection (water disposal) well.

4. Attached hereto as EXHIBIT "A" is a map showing the location of the proposed well. The map also shows a 1/2 mile radius drawn around the proposed well. The identification of ownership of the tracts within that 1/2 mile radius is provided.

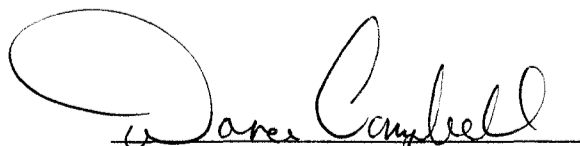
5. Attached hereto as EXHIBIT "B" is a listing of parties that were mailed letters giving notice of the Application for Injection Well which RGC submitted to the Division of Oil, Gas and Mining ("DOGM"). The letters were sent by certified mail - return receipt. The listing shows when the return receipt cards were signed by the parties receiving said letters or when RGC received those cards. The letters that were mailed identified the tract(s) within the 1/2 mile radius of the proposed well in which said party owned an interest, the purpose of RGC drilling the well was stated, a copy of the Application for Injection Well was provided, the address and telephone number for the DOGM was provided in the event the party had a question on the permitting of the well, and RGC offered to provide said parties with additional information associated with the Application for Injection Well if the party made a written request to RGC.

6. The matters stated herein are true of my own knowledge, except to any matters stated herein upon information and belief, and, as to those matters, I believe them to be true.

DATED this 1st day of April, 1997.


JOSEPH L. STEPHENSON

Subscribed, sworn and acknowledged to and by Joseph L. Stephenson before me this 1st day of April, 1997.


NOTARY PUBLIC
Residing at:
6231 Hibiscus Lane
Northport, AL 35476

(SEAL)

My Commission Expires: 3/8/98

STATE OF UTAH
UTAH GEOLOGICAL AND MINERAL SURVEY

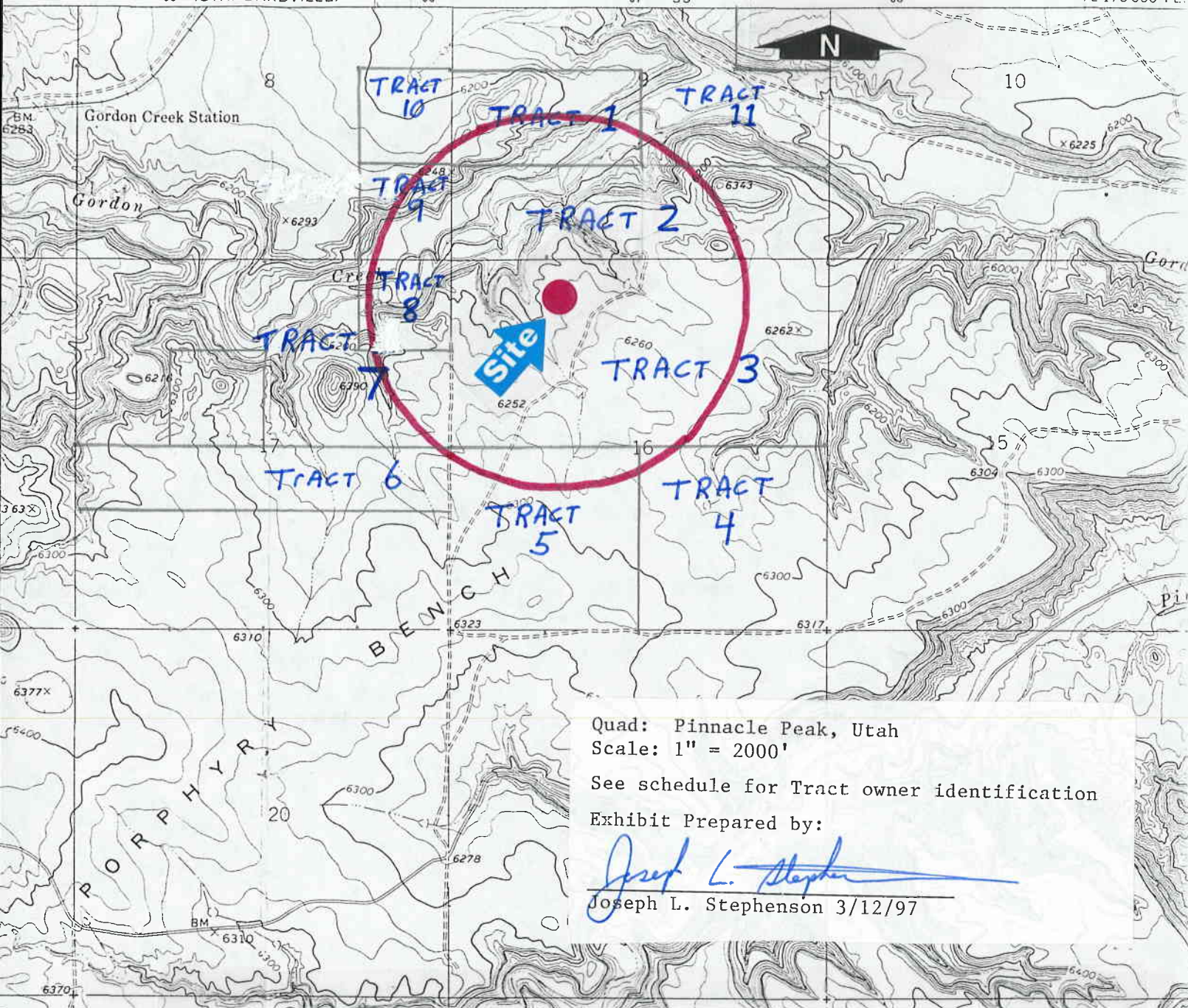
3863 III NW
505 (STANDARDVILLE)

506

507 55'

508

2 170 000 FE



Quad: Pinnacle Peak, Utah

Scale: 1" = 2000'

See schedule for Tract owner identification

Exhibit Prepared by:

Joseph L. Stephenson

Joseph L. Stephenson 3/12/97

EXHIBIT "A"

PAGE 1 OF 5

**River Gas Corporation
Proposed Disposal Well D-5
NE/NW, Section 16, T14S, R9E, SLM
Carbon County, Utah**

Operators, Owners, Surface Owners Within 1/2 Mile Radius

EXHIBIT "A"

PAGE 2 OF 5

River Gas Corporation
Proposed Disposal Well D-5
NE/NW, Section 16, T14S, R9E, SLM
Carbon County, Utah

Operators, Owners, Surface Owners Within 1/2 Mile Radius

TRACT 1

Surface Owner:	United States of America
Mineral Owner:	United States of America all minerals
Oil & Gas Lease:	UTU-72003
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

TRACT 2

Surface Owner:	Orlin Ross Fausett
Mineral Owner:	Orlin Ross Fausett all mineral less oil & gas reserved to USA
Oil & Gas Lease:	UTU-72003
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

TRACT 3

Surface Owner:	Marvin J. Mutz, Trustee of the James W. Fausett Grandchildren's Irrevocable Trust Agreement dated 12/28/78
Mineral Owner:	Marvin J. Mutz, Trustee of the James W. Fausett Grandchildren's Irrevocable Trust Agreement dated 12/28/78
Oil & Gas Lease:	Patented (Fee) lease (Book 225 at Pages 613)
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

EXHIBIT "A"

PAGE 3 OF 5

River Gas Corporation
Proposed Disposal Well D-5
NE/NW, Section 16, T14S, R9E, SLM
Carbon County, Utah

Operators, Owners, Surface Owners Within 1/2 Mile Radius

TRACT 4

Surface Owner: State of Utah, c/o Division of Wildlife Resources
Mineral Owner: Lorraine Powell Paar (62.5%); Warrior Oil Company (37.5%)
Oil & Gas Lease: Patented (Fee - Paar) (Book 335 at Page 453); Patented (Fee - Warrior Oil Co.) (being sent for recording)
Oil & Gas Lessee: River Gas Corporation, Texaco Exploration and Production Inc.
Coal Lease: None of record
Coal Lessee: Not applicable
Other Minerals Lessee: None of record
Grazing Permittee: None of record
Oil & Gas Operator: River Gas Corporation

TRACT 5

Surface Owner: Nick Sampinos, Power of Attorney for Fotini Telonis, et al
Mineral Owner: Nick Sampinos, Power of Attorney for Fotini Telonis, et al
Oil & Gas Lease: Patented (Fee) (Book 205 at Page 497)
Oil & Gas Lessee: River Gas Corporation, Texaco Exploration and Production Inc.
Coal Lease: None of record
Coal Lessee: Not applicable
Other Minerals Lessee: None of record
Grazing Permittee: None of record
Oil & Gas Operator: River Gas Corporation

TRACT 6

Surface Owner: Stephen L. Johnston and Judith J. Shepherd
Mineral Owner: Stephen L. Johnston and Judith J. Shepherd
Oil & Gas Lease: Patented (Fee) (Book 273 at Page 229)
Oil & Gas Lessee: River Gas Corporation, Texaco Exploration and Production Inc.
Coal Lease: None of record
Coal Lessee: Not applicable
Other Minerals Lessee: None of record
Grazing Permittee: None of record
Oil & Gas Operator: River Gas Corporation

EXHIBIT "A"

PAGE 4 OF 5

River Gas Corporation
Proposed Disposal Well D-5
NE/NW, Section 16, T14S, R9E, SLM
Carbon County, Utah

Operators, Owners, Surface Owners Within 1/2 Mile Radius

TRACT 7

Surface Owner:	United States of America
Mineral Owner:	United States of America all minerals
Oil & Gas Lease:	UTU-50645
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

TRACT 8

Surface Owner:	United States of America
Mineral Owner:	United States of America all minerals
Oil & Gas Lease:	UTU-51584
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

TRACT 9

Surface Owner:	United States of America
Mineral Owner:	United States of America all minerals
Oil & Gas Lease:	UTU-75021
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

EXHIBIT "A"

PAGE 5 OF 5

River Gas Corporation
Proposed Disposal Well D-5
NE/NW, Section 16, T14S, R9E, SLM
Carbon County, Utah

Operators, Owners, Surface Owners Within 1/2 Mile Radius

TRACT 10

Surface Owner:	United States of America
Mineral Owner:	United States of America all minerals
Oil & Gas Lease:	UTU-73889
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

TRACT 11

Surface Owner:	Orlin Ross Fausett
Mineral Owner:	Orlin Ross Fausett
Oil & Gas Lease:	Patented (Fee) (Book 336 at Page 70)
Oil & Gas Lessee:	River Gas Corporation & Texaco Exploration and Production Inc.
Coal Lease:	None of record
Coal Lessee:	Not applicable
Other Minerals Lessee:	None of record
Grazing Permittee:	None of record
Oil & Gas Operator:	River Gas Corporation

NOTE: OVERRIDING ROYALTY OWNERS, IF ANY, ARE NOT IDENTIFIED IN ACCORDANCE WITH JLS PREVIOUS INQUIRY TO THE DOGM AS TO NEED FOR THAT INFORMATION.

EXHIBIT "B"

PAGE 1 OF 2

River Gas Corporation
Proposed Disposal Well D-5
NE/NW, Section 16, T14S, R9E, SLM
Carbon County, Utah
Operators, Owners, Surface Owners Within 1/2 Mile Radius

River Gas Corporation
ATTENTION: Joseph L. Stephenson
Vice President - Land
511 Energy Center Blvd.
Northport, AL 35476

NOT APPLICABLE...RGC
ORIGINATED NOTICES TO THE
OTHER PARTIES

Texaco Exploration and Production Inc.
ATTENTION: Mr. Gary Cox
Denver Division
P. O. Box 2100
Denver, CO 80201

CERTIFIED MAIL P-511-566-616
LETTER DATED: March 13, 1997
RECEIVED: signed but not dated;
received at RGC on March 24, 1997

United States of America
U. S. Department of the Interior
Bureau of Land Management
Moab District Office
P. O. Box 970
Moab, UT 84532

CERTIFIED MAIL P-511-566-617
LETTER DATED: March 13, 1997
RECEIVED: March 17, 1997

United States of America
U. S. Department of the Interior
Bureau of Land Management
Price Resource Area
900 North 700 East
Price, UT 84501

CERTIFIED MAIL P-511-566-618
LETTER DATED: March 13, 1997
RECEIVED: March 17, 1997

United States of America
U. S. Department of the Interior
Bureau of Land Management
324 South State, Suite 301
Salt Lake City, UT 84111-2303

CERTIFIED MAIL P-511-566-619
LETTER DATED: March 13, 1997
RECEIVED: March 19, 1997

Orlin Ross Fausett
1189 West, 290 North
Price, UT 84501

CERTIFIED MAIL P-511-566-620
LETTER DATED: March 13, 1997
RECEIVED: March 17, 1997

EXHIBIT "B"

PAGE 2 OF 2

River Gas Corporation
Proposed Disposal Well D-5
NE/NW, Section 16, T14S, R9E, SLM
Carbon County, Utah

Operators, Owners, Surface Owners Within 1/2 Mile Radius

Marvin J. Mutz, Trustee of the
James W. Fausett Grandchildren's
Irrevocable Trust Agreement
dated 12/28/78
622 East 200 South
Price, UT 84501

CERTIFIED MAIL P-511-566-621
LETTER DATED: March 13, 1997
RECEIVED: March 18, 1997

State of Utah
c/o Division of Wildlife Resources
1596 W. North Temple
Salt Lake City, UT 84116

CERTIFIED MAIL P-511-566-622
LETTER DATED: March 13, 1997
RECEIVED: March 18, 1997

Lorraine Powell Paar
2646 Dolphin Way
Salt Lake City, UT 84121

CERTIFIED MAIL P-511-566-538
LETTER DATED: March 13, 1997
RECEIVED: March 27, 1997

Warrior Oil Company
750 North St. Paul, Suite 1530
Dallas, TX 75201

CERTIFIED MAIL P-511-566-624
LETTER DATED: March 13, 1997
RECEIVED: March 17, 1997

Nick Sampinos, Power of Attorney
for Fotini Telonis, et al
deceased
First Interstate Bank Bldg.
80 West Main, Suite 201
Price, UT 84501

CERTIFIED MAIL P-511-566-625
LETTER DATED: March 13, 1997
RECEIVED: signed but not dated;
received at RGC March 21, 1997

Stephen L. Johnston &
Judith J. Shepherd
c/o Stephen L. Johnston, Esquire
130 South 1300 East
Salt Lake City, UT 84102

CERTIFIED MAIL P-511-566-626
LETTER DATED: March 13, 1997
RECEIVED: March 20, 1997

NOTE: OVERRIDING ROYALTY OWNERS, IF ANY, ARE NOT IDENTIFIED IN ACCORDANCE
WITH JLS PREVIOUS INQUIRY TO THE DOGM AS TO NEED FOR THAT INFORMATION.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/14/97

API NO. ASSIGNED: 43-007-30351

WELL NAME: DISPOSAL WELL 5
OPERATOR: RIVER GAS CORPORATION (N1605)

PROPOSED LOCATION:

NENW 16 - T14S - R09E
SURFACE: 0467-FNL-1461-FWL
BOTTOM: 0467-FNL-1461-FWL
CARBON COUNTY
DRUNKARDS WASH FIELD (048)

LEASE TYPE: FEE
LEASE NUMBER: PATENTED

PROPOSED PRODUCING FORMATION: FRSD

INSPECT LOCATION BY: 03/25/97

TECH REVIEW	Initials	Date
Engineering	SRB	6/4/97
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal[] State[] Fee ☒
(Number LETTER OF CREDIT)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number CITY OF PRIDE)
☒ RDCC Review (Y/N)
(Date: _____)

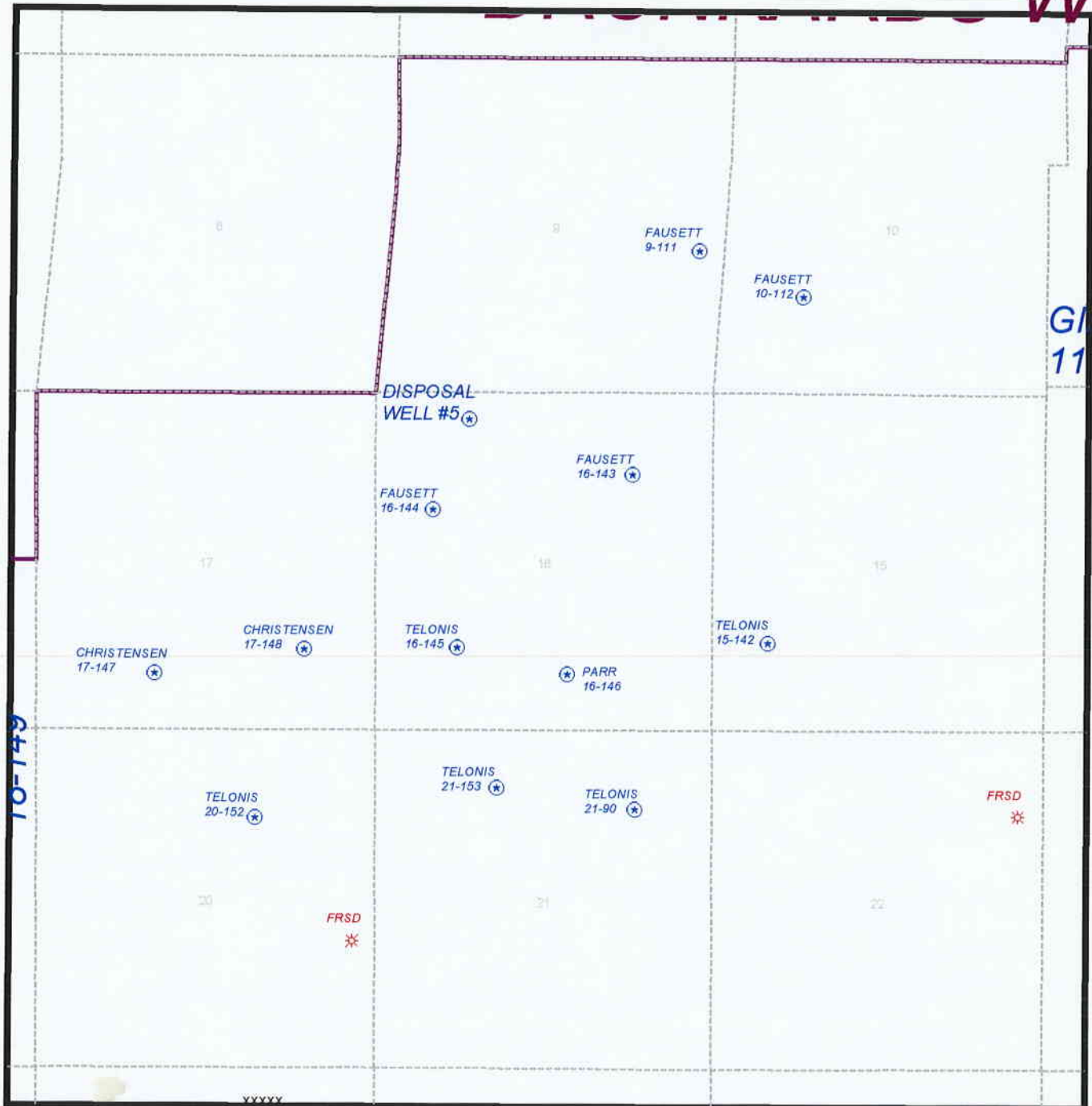
LOCATION AND SITING:

☒ R649-2-3. Unit: DRUNKARDS WASH
____ R649-3-2. General.
____ R649-3-3. Exception.
____ Drilling Unit.
____ Board Cause no: _____
____ Date: _____

COMMENTS: Casing stip. needed. Cement stip. needed. BOP OK.

STIPULATIONS: 1. Statement of basis
2. See attached page.

OPERATOR: RIVER GAS (N1605)
FIELD: DRUNKARDS WASH (048)
SEC. TWP. RNG, 16, T14S, R9E
COUNTY: CARBON
UAC: R649-3-2



PREPARED:
DATE: 17-MAR-1997

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: River Gas Corporation

WELL NAME & NUMBER: D-5

API NUMBER: 43-007-30351

LEASE: Private FIELD/UNIT: Drunkard's Wash

LOCATION: 1/4, 1/4 NENW Sec: 16 TWP: 14 S RNG: 9 E 467 FNL 1461 FWL

LEGAL WELL SITING: _____ F SEC. LINE; _____ F 1/4, 1/4 LINE; _____ F ANOTHER WELL.

GPS COORD (UTM): x = 506,639 ; y = 4,384,620

SURFACE OWNER: Ivy B. Christiansen

PARTICIPANTS

C. Kierst, DOGM; Brink Griffin, RGC; Steve Prince, RGC; Larry Jensen, Nelco

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Western margin of Colorado Plateau/~6.5 miles east of the Wasatch Plateau and 2.5 miles east of 300' cliffs of upper bench. Location is on the upper reaches of the lower bench (Porphyry Bench) on westward-dipping Blue Gate Mbr. Of the Mancos Shale. Gently rolling bench top just south of Gordon Creek Canyon and ~450' east of a spur canyon.

SURFACE USE PLAN

CURRENT SURFACE USE: Grazing, recreation and wildlife habitat

PROPOSED SURFACE DISTURBANCE: No drilling location plat is available. The provided completion location plat depicts a 300' X 300' well pad with an additional area of about 350 square feet dedicated to pumping facilities and two storage tanks.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: None

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Powerline and gathering system follow approach road.

SOURCE OF CONSTRUCTION MATERIAL: Gravel will come from approved local sources if needs exceed availability of onsite surfacing material.

ANCILLARY FACILITIES: None

WASTE MANAGEMENT PLAN:

Portable chemical toilets subsequently disposed of at appropriate disposal site; portable metal garbage containers periodically dumped at an approved disposal site. Reserve pit will be dried after use and then buried. Drilling mud and water produced during testing and completion will be stored in the lined (possibly with native clay) reserve pit and disposed of by evaporation, although quality and quantity of produced water will determine disposition.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: A water right (91-3100) owned by the BLM for stockwatering exists along a stretch of Haley Creek. Many points of diversion are recorded along Gordon Creek within a mile of this location. Gordon Creek Canyon is ~0.25 mile north. State Division of Water Rights personnel (Mark Page of Price, UT-?) should be included in activities and planning to clear relevant areas of the upper bench for compliance with 404 Dredge and Fill Permit requirements.

FLORA/FAUNA: Pinyon, juniper, cactus, / birds, coyotes, rodents, elk, deer, reptiles.

SOIL TYPE AND CHARACTERISTICS: Sandy, silty, rocky, highly permeable soil developed on the Garley Canyon Sandstone Beds of the Blue Gate Shale Member of the Cretaceous Mancos Shale. (SM)

SURFACE FORMATION & CHARACTERISTICS: Garley Canyon Sandstone Beds of the Blue Gate Shale Member of the Cretaceous Mancos Shale; light tan to buff, thin to thick bedded sandstone.

EROSION/SEDIMENTATION/STABILITY: Stable ground with no undermining, flowage or upheaval evident locally. Erosion is limited to minor dry washes during cloudbursts, high winds and periods of rapid snowmelt with sedimentation occurring during the wane of these episodes.

PALEONTOLOGICAL POTENTIAL: No fossils observed on or around pad.

RESERVE PIT

CHARACTERISTICS: Bermed earthen pit, 150' X 50' X 10'.

LINER REQUIREMENTS (Site Ranking Form attached): Minimum 12 mil synthetic liner

SURFACE RESTORATION/RECLAMATION PLAN

River Gas is the surface owner.

SURFACE AGREEMENT: Not needed.

CULTURAL RESOURCES/ARCHAEOLOGY: No survey, private land.

OTHER OBSERVATIONS/COMMENTS

Golden eagle nests are > ½ mile away. Critical deer and elk winter range.

ATTACHMENTS:

4 Photos. The site was photographed and characterized on 4/3/97.

Christopher Kierst
DOGM REPRESENTATIVE

4/3/97 /3:45 PM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>20</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>0</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>5</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>
Final Score (Level I Sensitivity)		<u>30</u>

DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS

Operator Name: River Gas Corporation

Name & Number: Disposal well D - 5

API Number: 43 - 007 - 30351

Location: 1/4, 1/4 NENW Sec. 16 T. 14 S R. 9 E

Geology/Ground Water:

A minor aquifer may be encountered in the Garley Canyon Sandstone Beds which are probably present. Standing water has been observed in Pinnacle Canyon ~3.0 miles south southwest. Both Garley Canyon Sandstone Beds should be kept within the surface cased span. The operator is informed of the potential for wet Garley Canyon Sandstone Beds and will respond to protect the zone by extending the surface casing string as needed to protect the beds with the surface string. Ground water containing less than 10,000 mg/l of dissolved solids may be encountered in the interval between the Ferron Sandstone Member of the of the Mancos Shale and the Entrada Sandstone, inclusive. The Carmel Formation and Navajo Sandstone will probably contain water of higher salinity.

Reviewer: Christopher Kierst **Date:** 5/27/97

Surface:

A possible ground water resource and moderately permeable soil militates the need for the protection of a lined pit. Precipitation will be deflected around the location with berms and culverts. There are no nearby culinary or irrigation water supply wells. Provision was made to ensure site rehabilitation, litter and waste control, preservation of drainage patterns and the integrity of local infrastructure, groundwater and other resources. Power lines and gathering systems will follow access roads. No 404 dredge and fill permit is deemed needed for operations directly associated with this location. No flashflood hazard is evident in the area of the location.

Reviewer: Christopher Kierst **Date:** 5/27/97

Conditions of Approval/Application for Permit to Drill:

1. Recommend culverts sufficient to manage expected runoff, standing and surface water in crossed drainages.
2. Berm pit.
3. Site infrastructure as per drilling location plat.
4. Minimum 12 mil synthetic lined pit.
5. Soil storage as per drilling location plat.
6. Extend surface casing as needed to contain any water in Garley Canyon Sandstone Beds.
7. Recommend reseeding infrequently used areas of production location with appropriate forage seed mix (to restore as much of the pad as possible to production of food and cover for wildlife as rapidly as possible) as soon as conveniently possible after completion of the well.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

CONDITIONS OF APPROVAL

Well Name and Number: Utah D-5
API Number: 43-007-30351
Operator: River Gas Corporation
Type of Approval Requested: Approval to drill
Reference Document: APD dated 3/10/97

Approval Conditions:

1. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis dated May 27, 1997 (copy attached).
2. The minimum recommended tensile strength safety factor for casing is 1.80 (weight of pipe/casing joint strength). The operator shall ensure that an appropriate weight and grade of 7" casing is used to achieve the recommended safety factor.
3. The cement volumes for the 7" casing shall be determined from actual hole diameters and the setting depth of the casing in order to place cement from the pipe setting depth back to the surface.
4. The presence of cement and a good quality bond surrounding the 7" casing across and above the proposed injection interval shall be determined by means of a cement bond log. If such conditions cannot be shown, the operator shall obtain Division approval of a remedial plan for cementing the 7" casing.
5. The operator shall ensure that the 7" casing is cemented in place with an appropriate weight and grade of cement which can achieve at least 500 psi compressive strength across the proposed injection zone.
6. Injection of water into the well cannot commence without obtaining the necessary Underground Injection Control (UIC) approval as required by Rule R649-5-3 of the Oil and Gas General Rules.

6/4/97
JRB

Casing and cementing evaluation Rivergas - D5 injection well

I. Casing program

7", 26# (assume J-55)^{LTC}₁ set at 8000'

Max mud wt. = air

Max. antic. BHP = 2900 psi

Burst str. = 4980 psi

$$\text{Burst SF} = \frac{4980}{2900} = \underline{1.72} \text{ OK}$$

Collapse str. = 4320 psi

$$\text{Collapse SF} = \frac{4320}{2900} = \underline{1.49} \text{ OK}$$

Wt. of pipe = (26)(8000) = 208,000 #

Tensile str. = 367,000 #

$$\text{Tensile SF} = \frac{367,000}{208,000} = \underline{1.76}$$

II. Cement program

Lead cement yield = 1.77 cu. ft./sk. (420 sk)

Tail cement yield = 1.61 cu. ft./sk (270 sk)

Rivergas uses 25% excess in cement calculations.

Vol. between 7" casing & 8 1/2" hole = 0.1585 ft³/lin. ft.
(25% excess)

$$\text{Height of lead column} = \frac{(420)(1.77)}{0.1585} = 4690'$$

$$\text{Height of tail column} = \frac{(270)(1.61)}{0.1585} = \underline{\underline{2743'}}$$

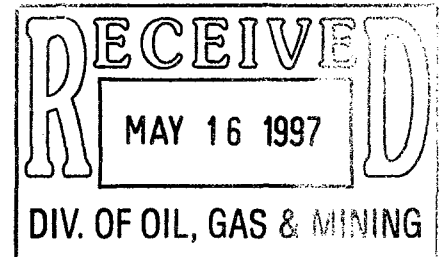
$$\text{Total} = 7433'$$



RIVER GAS CORPORATION

UTAH OPERATIONS
1305 South 100 East
Price, Utah 84501
Bus. (801) 637-8876
FAX (801) 637-8924

May 12, 1997



Mr. Christopher Kierst
Division of Oil, Gas & Mining
1594 W. North Temple-Suite 1210
SLC, Utah 84114-5801

Re: D5 Disposal Well Contour Map and Cross-section

Dear Chris:

Please find attached a contour map and cross-section (sheets 2 & 3 of 3) for the D5 disposal well. Please include these plats with the APD package. Let me know if any other information is necessary to complete the permitting process on this well.

Thank you for your continued assistance. If you should have any questions, please don't hesitate to call (801) 637-8876.

Sincerely,

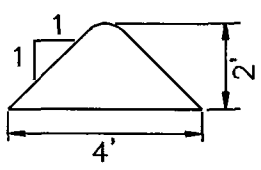
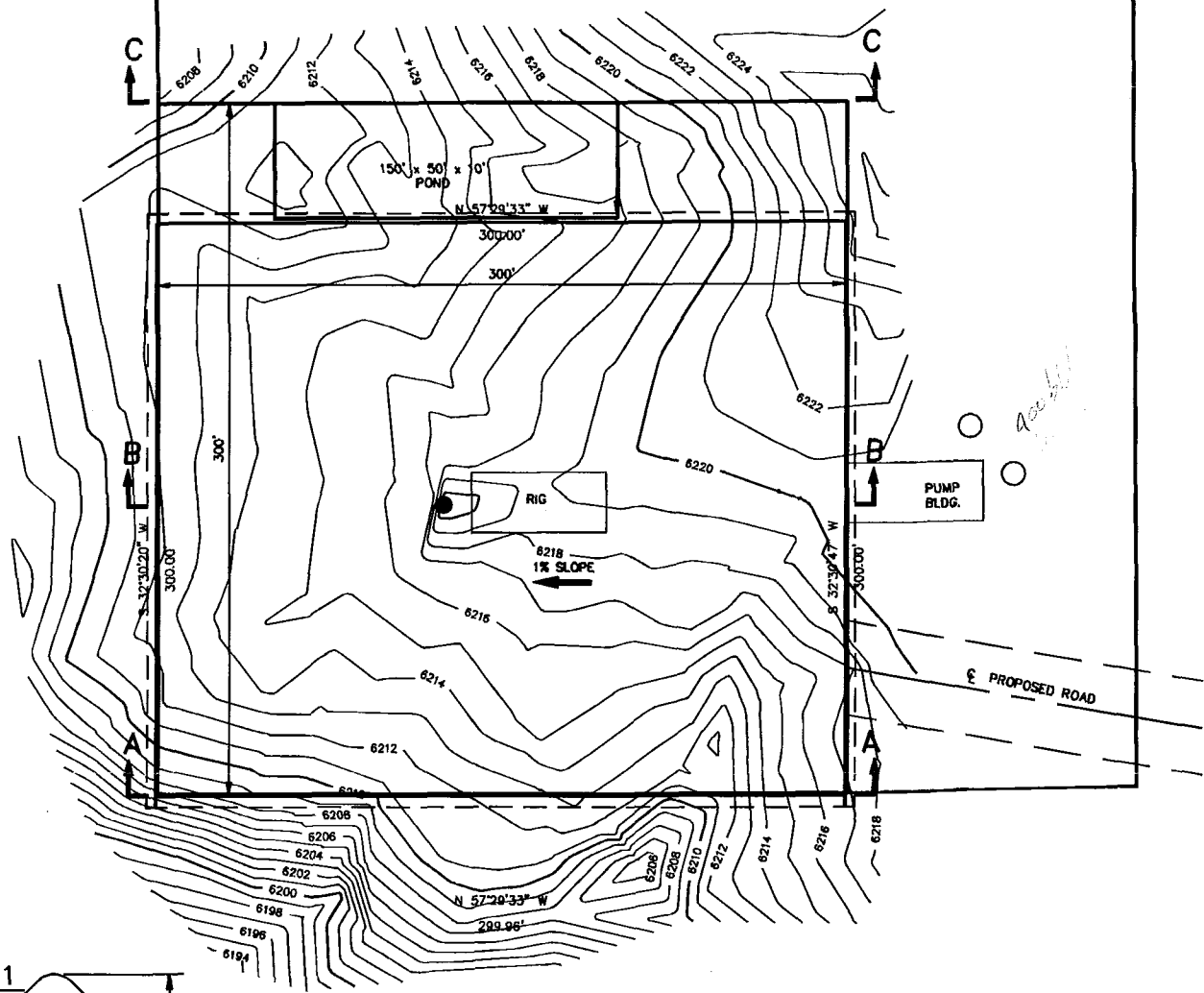
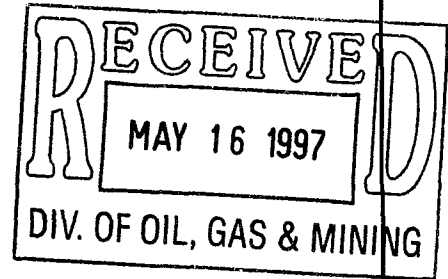
A handwritten signature in cursive script that reads "Steven L. Prince".

Steven L. Prince
Regulatory Manager



SCALE: 1" = 80'

5 acre parcel



TYP. BERM
SURROUNDING PAD

Empire Engineering & Land Surveying

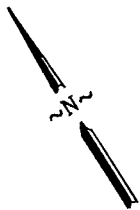
1665 E. Sagewood Rd. Price, Utah 84501 Phone (801) 637-7498

RIVER GAS OF UTAH, INC.
WELL #D5-16
CONTOUR MAP

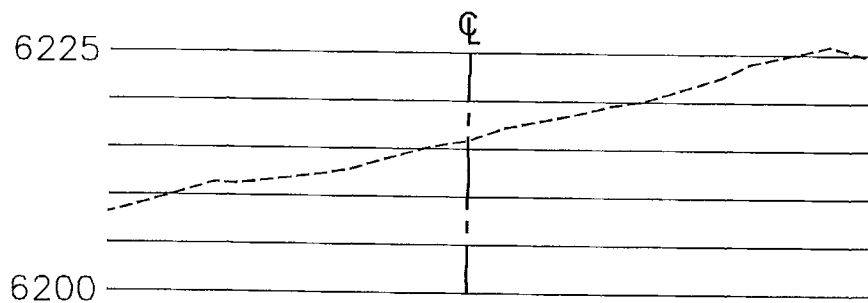
Drawn By: THK	Approved By: EEH	Drawing No.
Date: 5/5/97	Scale: 1" = 80'	EEOG D5S16

C:\EMPIRE\RIVERGAS\RGD5S16D 05/11/97 22:33

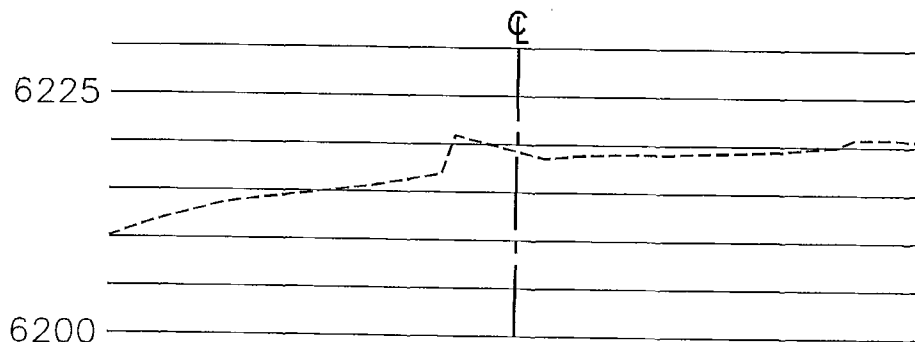
SHEET 2 OF 3



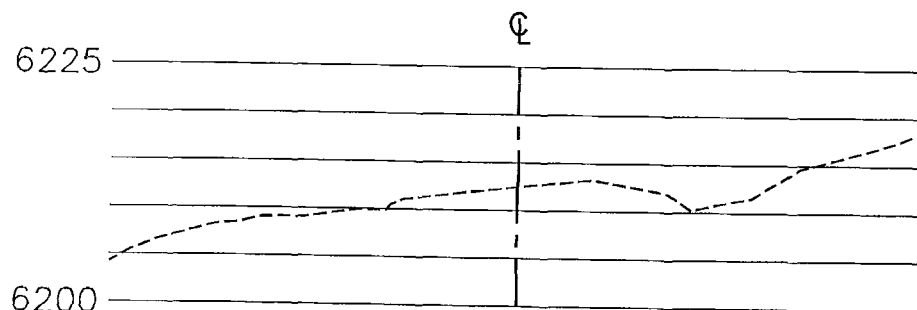
SCALE: 1" = 80'



SECTION C-C



SECTION B-B



SECTION A-A

Empire Engineering & Land Surveying

1665 E. Sagewood Rd. Price, Utah 84501 Phone (801) 637-7498

Drawn By: THK

Approved By: EEH

Drawing No.

Date: 5/5/97

Scale: 1" = 80'

EEOG D5S16

RIVER GAS OF UTAH, INC.
WELL #D5-16
CROSS SECTIONS

C:\EMPIRE\RIVERGAS\RG05S16E 05/11/97 22:36

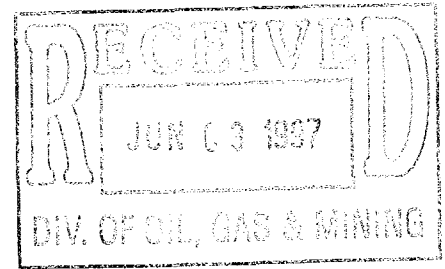
SHEET 3 OF 3



RIVER GAS CORPORATION

511 Energy Center Blvd.
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 759-3188 (Accounting)
Fax (205) 758-5309 (Corporate)

June 2, 1997



Attention: Gil Hunt
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84114-5801

Re: D-5 Well - Section 16-T14S-R9E: NW/4
Carbon County, Utah

Dear Mr. Hunt:

Please find enclosed an original Affidavit Concerning Purchase of Surface Rights on the above referenced well. Also, attached with this Affidavit is the Warranty Deed and Easement dated May 29, 1997 between Marvin J. Mutz, Trustee and James W. Fausett Grandchildren's Irrevocable Trust Agreement.

If you have any questions, please advise.

Sincerely yours,

A handwritten signature in cursive script that reads "Dana C. Campbell".

Dana C. Campbell
Lease Records Analyst

Enc.

/dcc

STATE OF ALABAMA)
 : ss.
COUNTY OF TUSCALOOSA)

D-5

AFFIDAVIT CONCERNING PURCHASE OF SURFACE RIGHTS

JOSEPH L. STEPHENSON, being first duly sworn upon his oath, deposes and states:

1. I am Vice President - Land of River Gas Corporation ("RGC"), an Alabama corporation duly authorized to transact business in the State of Utah, and am authorized to execute this Affidavit on behalf of said corporation.

2. As Vice President - Land, I am responsible for supervision of lease records and reviewing title records and legal opinions affecting lands where RGC proposes to conduct operations, and obtaining surface land use agreements or purchasing land associated with the development of leased mineral rights.

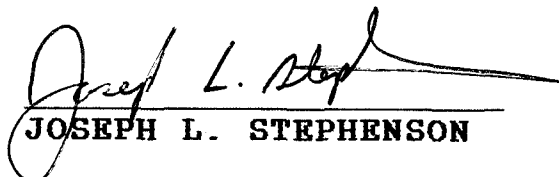
3. RGC proposes to drill an injection well named the "D-5" located in the NW1/4 of Section 16, T14S, R9E, SLM, Carbon County, Utah.

4. As evidenced by copy of WARRANTY DEED AND EASEMENT dated May 29, 1997, attached hereto as Exhibit "A", and by this reference incorporated herein, RGC purchased a parcel of land consisting of 5.00 acres as described therein from Marvin J. Mutz, Trustee of the James W. Fausett Grandchildren's Irrevocable Trust Agreement dated 12/28/78.


5. It is the intention of RGC to drill the D-5 injection well on the land purchased as described in Exhibit "A" once a permit has been approved by the State of Utah, Department of Natural Resources, Division of Oil, Gas and Mining.

6. The matters stated herein are true of my own knowledge, except to any matters stated herein upon information and belief, and, as to those matters, I believe them to be true.

DATED this 2nd day of June, 1997.


JOSEPH L. STEPHENSON

Subscribed, sworn and acknowledged to and by Joseph L. Stephenson before me this 2nd day of June, 1997.


NOTARY PUBLIC
Residing at:
6231 Hibiscus Lane
Northport, AL 35476

(SEAL)

My Commission Expires: 3/8/98

WHEN RECORDED, RETURN TO:
William L. Kirk, Jr., Senior Landman
River Gas Corporation
511 Energy Center Blvd.
Northport, AL 35476

COPY

WARRANTY DEED AND EASEMENT

MARVIN J. MUTZ, Trustee of the James W. Fausett Grandchildren's Irrevocable Trust Agreement dated 12/28/78, 391 Giraud Ave., Price, UT 84501, **GRANTOR**, for Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, does hereby convey and warrant to **RIVER GAS CORPORATION**, 511 Energy Center Blvd., Northport, AL 35476, **GRANTEE**, the following described Carbon County, Utah lands:

Township 14 South, Range 9 East, SLM

Section 16: Beginning at a point which is located N. 87°12'31" E. 1565.65 feet along the Section line and S. 2°47'29" E. 82.84 feet from the NW Corner of said Section 16; running thence S. 57°45'59" E. 425.59 feet; thence S. 32°13'51" W. 511.88 feet; thence N. 57°52'49" W. 425.00 feet; thence N. 32°10'16" E. 512.72 feet to the point of beginning.

(Basis of Bearing is N. 87°12'31" E. between the NW Corner and the North Quarter Corner of said Section 16, which is a "GPS" Bearing)

(containing 5.00 acres),

with all rights appurtenant thereto, **EXCEPTING AND RESERVING UNTO GRANTOR** all oil, gas and other minerals together with the rights of ingress and egress thereto.

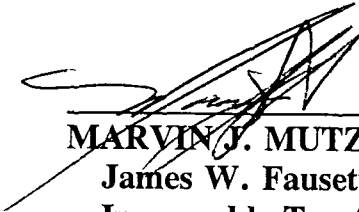
For the same consideration, **GRANTOR** does hereby grant and convey to **GRANTEE** a 40.00 foot wide road/pipeline/utility easement in perpetuity for access to and servicing **GRANTEE's** use of the above described 5.00 acre parcel, lying 20.00 feet on either side of the following described centerline:

Township 14 South, Range 9 East, SLM

Section 16: Beginning at a point which is located N. 87°12'31" E. 1877.23 feet along the Section line and S. 2°47'29" E. 852.82 feet from the NW Corner of said Section 16, said beginning point being on the west edge of an existing road; running thence N. 71°20'57" W. 193.53 feet; thence N. 47°31'49" W. 308.40 feet to the easterly line of a proposed 300' x 300' pad.


(Basis of Bearing is N. 87°12'31" E. between the NW Corner and the North Quarter Corner of said Section 16, which is a "GPS" Bearing)

Dated this 29th day of May, 1997.

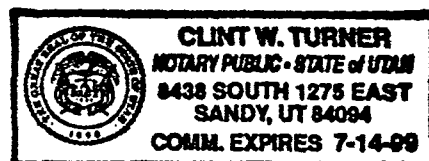

MARVIN J. MUTZ, Trustee of the
James W. Fausett Grandchildren's
Irrevocable Trust Agreement
dated 12/28/78

STATE OF UTAH)
)ss.
COUNTY OF CARBON)

The foregoing WARRANTY DEED AND EASEMENT was acknowledged before me this 29th day of May, 1997, by Marvin J. Mutz, Trustee of the James W. Fausett Grandchildren's Irrevocable Trust Agreement dated 12/28/78.


NOTARY PUBLIC
My Commission Expires: 7-14-99

1526\forms\warredeed.esm





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

June 10, 1997

River Gas Corporation
1305 South 100 East
Price, Utah 84501

Re: Fausett D5 Well, 467' FNL, 1461' FWL, NE NW, Sec. 16,
T. 14 S., R. 9 E., Carbon County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-007-30351.

Sincerely,

A handwritten signature in cursive script that reads "Lowell P. Braxton".

Lowell P. Braxton
Deputy Director

lwp

Enclosures

cc: Carbon County Assessor

Bureau of Land Management, Moab District Office

Operator: River Gas Corporation
Well Name & Number: Fausett D5
API Number: 43-007-30351
Lease: Fee
Location: NE NW Sec. 16 T. 14 S. R. 9 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334 or Mike Hebertson at (801) 538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis dated May 27, 1997 (copy attached).

5. The minimum recommended tensile strength safety factor for casing is 1.80 (weight of pipe/casing joint strength). The operator shall ensure that an appropriate weight and grade of 7" casing is used to achieve the recommended safety factor.

6. The cement volumes for the 7" casing shall be determined from actual hole diameters and the setting depth of the casing in order to place cement from the pipe setting depth back to the surface.
7. The presence of cement and a good quality bond surrounding the 7" casing across and above the proposed injection interval shall be determined by means of a cement bond log. If such conditions cannot be shown, the operator shall obtain Division approval of a remedial plan for cementing the 7" casing.
8. The operator shall ensure that the 7" casing is cemented in place with an appropriate weight and grade of cement which can achieve at least 500 psi compressive strength across the proposed injection zone.
9. Injection of water into the well cannot commence without obtaining the necessary Underground Injection Control (UIC) approval as required by Rule R649-5-3 of the Oil and Gas General Rules.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well

Footages: 467' FNL, 1461' FWL

QQ, Sec., T., R., M.: SEC.16, T14S, R9E, SLB&M

5. Lease Designation and Serial Number:

Patented

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Fausett D5

9. API Well Number:

43-007-30351

10. Field or Pool, or Wildcat:

Drunkard's Wash

County: CARBON

State: UTAH

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|--|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input checked="" type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start ASAP

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion _____

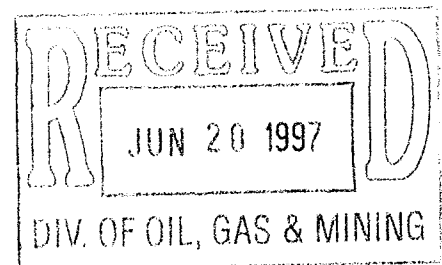
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Attached is a revised wellbore diagram as approved per Sundry notice dated 5/31/97.

CONFIDENTIAL



13.

Name & Signature: Tammie Butts

Title: Development Engineer

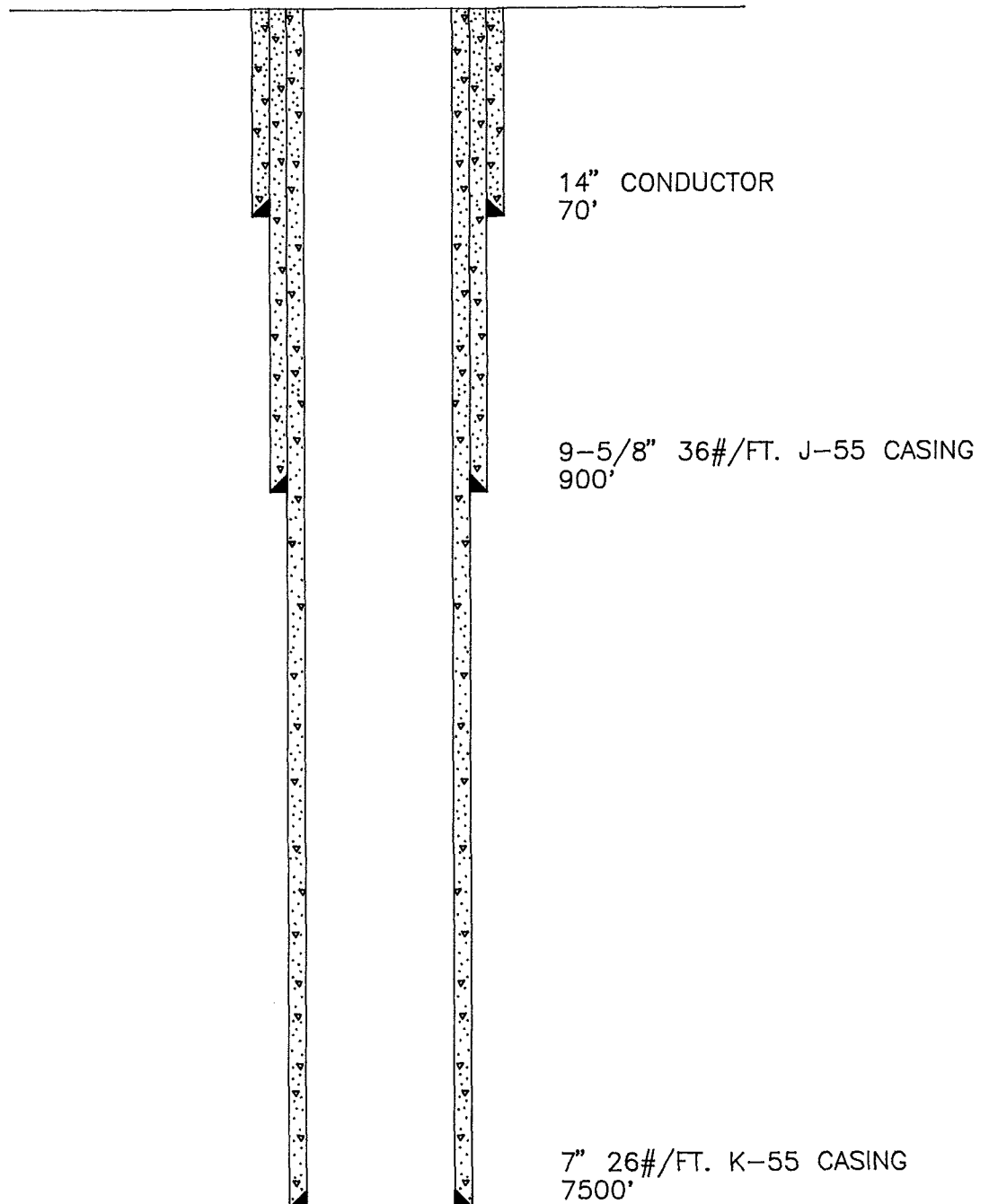
Date: 6/17/97

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PROPOSED DISPOSAL WELL D-5

SEC. 16, T 14 S, R 9 E
(466' FNL, 1457 FWL)

CARBON COUNTY, UTAH



CONFIDENTIAL

Name of Company: RIVER GAS CORP.

Well Name: FAUSETT D-5

Api No. 43-007-30351

Section: 16 Township: 14S Range: 9E County: CARBON

Drilling Contractor PENSE BROS

Rig # 11

SPUDDDED:

Date 6/22/97

Time_____

How DRY HOLE

Drilling will commence_____

Reported by GREG MUELLER

Telephone # 1-801-636-5561

Date: 7/2/97 Signed: JLT

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR River Gas Corporation
ADDRESS 1305 South 100 East
Price, UT 84501

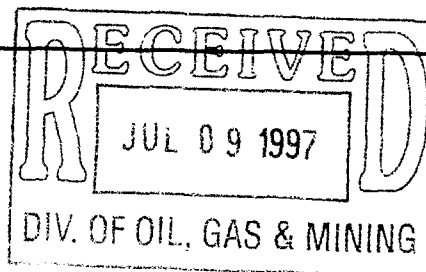
OPERATOR ACCT. NO. N/605

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12165	43-007-30351	Disposal Well 5-D5 (Fause#05)	NE/NW	16	14S	9E	CARBON	6/22/97	
WELL 1 COMMENTS: Entity added "non PA well/Drunkards Wash Unit" 7-15-97. <i>lec</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See Instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.



Laurie Tryon *Laurie Tryon*
Signature
Administrative Asst. 7/3/97
Title Date
Phone No. (801)637-8876

DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well

Footages:

467' FNL & 1461' FWL

QQ, Sec., T., R., M.: NE/NW, SEC. 16, T14S, R09E, SLB&M

5. Lease Designation and Serial Number:

PATENTED LAND

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Fausett D5

9. API Well Number:

43-007-30351

10. Field or Pool, or Wildcat:

Drunkard's Wash

County: CARBON

State: UTAH

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****NOTICE OF INTENT**
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Weekly Report</u> | |

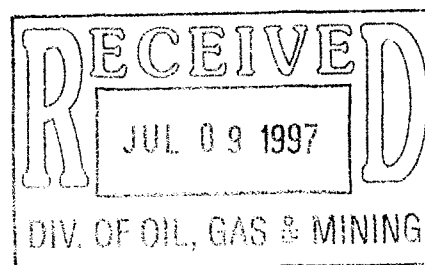
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED



13.

Name & Signature: Jerry Dietz

Title: Field Supervisor

Date: 7/3/97

(This space for state use only)

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Ross Drilling Co.

PAGE 1

Day 1-6/23/97-Present Operations-Drilled conductor hole. Spud Date:6/22/97 12:00 p.m. Moved in Rig. Drilled conductor hole to 18'-set 18' of 14" conductor. Conductor bore hole 16"- from 0 to 18 with 14 P.E. Set @ 18'. Daily Costs:\$ 635.00. Cumulative Costs:\$635.00.

Day 2-6/24/97-Present Operations-Waiting for air package. Depth 18'. Cemented conductor pipe w/ready mix & moved Frac tank to location. Daily Costs: \$575.00. Cumulative Costs:\$1210.00.

Day 3-6/25/97-Present Operations-Drilling. Current Depth:188'. Drilled in 24 hrs:170'. Drilled in 18' with 12 1/2" RR tri-cone bit. Moved in air package, rigged up air. Started drilling 18'-188'. Burned up starter on air. Daily Costs: \$0. Cumulative Costs:\$1210.00.

Day 4-6/26/97-Present Operations-Repair Rig. Current Depth 390'. Drilled in 24 hrs:202'. Drilling & repair rig. Daily Costs:\$798.75. Cumulative Costs:\$ 2008.75.

Day 5-6/27/97-Present Operations-Wait for Additional Air. Current Depth:420' Drilled in 24 hrs:30'. Drilled in 18' out 390' with 12 1/2" RR tri-cone bit. Drill to 420'. Pulled trying to clean out hole. Daily Costs:\$7008.65. Cumulative Costs:\$ 7368.50.

Day 6- 6/28/97-Present Operations-Drilling. Current Depth:475'. Drilled in 24 hrs:55'. Pull out of hole to work on equipment. Put float in string go in hole. Daily Costs:\$5195.00. Cumulative Costs:\$12,563.50.

Day 7-6/29/97-Present Operations-Drilling. Current Depth:550'. Drilled in 24 hrs:75'. Clean out hole, repair equipment, drill to 550'. Daily Costs:\$829.25. Cumulative Costs:\$13,392.75.

Day 8-6/30/97-Present Operations: Drilling. Current Depth:625'. Drilled in 24 hrs:75'. Rig repair-wait on parts. Daily Costs:\$1475.00. Cumulative Costs: 14,867.75.

Day 9-7/1/97-Present Operations:Drilling. Current Depth:750'. Drilled in 24 hr 155'. Drilling. Avg. rate of penetration 7.75'/hr. Daily Costs:\$1029.75. Cumulative Costs:\$15,897.50.

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Ross Drilling Co.

PAGE 1

Day 10-7/2/97-Present Operations:Prepare to dig cellar . Set starting gear.
Drilled in 24 hrs:160'. Avg. rate of penetration 18'/hr. Run 921.21' of 9 5/8"
36#/ft J-55 Surface casing & cement . Drill rat & mouse hole. Set 20 jnts with
12 1/2" from 18 to 940.Surface Csg.-9 5/8" 36#/ft J 55 50/50 POZ + 6% D-20
1/4 #/sk D-28 G + 2% S-1+1/4 #/sk D-28 320 sks.**Daily Costs:\$32,192.34.**
Cumulative Costs:\$48089.84.

Day 11-7/3/97-Present Operations-Rigging up Caza Rig #59. Current Depth:
921'. Dig cellar.Drill with airhammer. Set cellar.Cut casing & weld on 9 5/8"
sow 5000 . Startin head & test. All of caza rig #59 is moving to location for
rig up 7/3/97. **Daily Costs:\$3141.42. Cumulative Costs:\$51,231.20.**

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well

Footages:

467' FNL & 1461' FWL

QQ, Sec., T., R., M.: NE/NW, SEC. 16, T14S, R09E, SLB&M

5. Lease Designation and Serial Number:

PATENTED LAND

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Fausett D5

9. API Well Number:

43-007-30351

10. Field or Pool, or Wildcat:

Drunkard's Wash

County: CARBON

State: UTAH

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****NOTICE OF INTENT**
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Weekly Report</u> | |

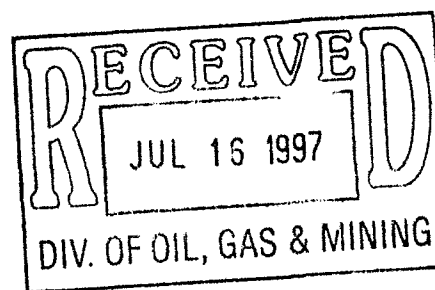
Date of work completion _____

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* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED



13.

Name & Signature: Steven L. Prince

A handwritten signature in dark ink, appearing to read "Steven L. Prince". The signature is written in a cursive, flowing style.

Title: Regulatory Manager

Date: 7/11/97

(This space for state use only)

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Ross Drilling Co.

PAGE 1

Day 1-6/23/97-Present Operations-Drilled conductor hole. **Spud Date:6/22/97 12:00 p.m.** Drilled in 24 hrs: 0. Moved in Rig. Drilled conductor hole to 18'-set 18' of 14" conductor. Conductor bore hole 16"- from 0 to 18 with 14 P.E. Set @ 18'. **Daily Costs:\$ 635.00. Cumulative Costs:\$635.00.**

Day 2-6/24/97-Present Operations-Waiting for air package. Depth 18'. Drilled in 24 hrs: 0. Cemented conductor pipe w/ready mix & moved Frac tank to location. **Daily Costs:\$575.00. Cumulative Costs:\$1210.00.**

Day 3-6/25/97-Present Operations-Drilling. Current Depth:188'. Drilled in 24 hrs:170'. Drilled in 18' with 12 1/2" RR tri-cone bit. Moved in air package, rigged up air. Started drilling 18'-188'. Burned up starter on air. **Daily Costs: \$0. Cumulative Costs:\$1210.00.**

Day 4-6/26/97-Present Operations-Repair Rig. Current Depth 390'. Drilled in 24 hrs:202'. Drilling & repair rig. **Daily Costs:\$798.75. Cumulative Costs:\$ 2008.75.**

Day 5-6/27/97-Present Operations-Wait for Additional Air. Current Depth:420' Drilled in 24 hrs:30'. Drilled in 18' out 390' with 12 1/2" RR tri-cone bit. Drill to 420'. Pulled trying to clean out hole. **Daily Costs:\$5,359.75. Cumulative Costs:\$ 7368.50.**

Day 6- 6/28/97-Present Operations-Drilling. Current Depth:475'. Drilled in 24 hrs:55'. Pull out of hole to work on equipment. Put float in string go in hole. **Daily Costs:\$5195.00. Cumulative Costs:\$12,563.50.**

Day 7-6/29/97-Present Operations-Drilling. Current Depth:550'. Drilled in 24 hrs:75'. Clean out hole, repair equipment, drill to 550'. **Daily Costs:\$829.25. Cumulative Costs:\$13,392.75.**

Day 8-6/30/97-Present Operations: Drilling. Current Depth:625'. Drilled in 24 hrs:75'. Rig repair-wait on parts. **Daily Costs:\$1475.00. Cumulative Costs: 14,867.75.**

Day 9-7/1/97-Present Operations:Drilling. Current Depth:750'. Drilled in 24 hr 155'. Drilling. Avg. rate of penetration 7.75'/hr. **Daily Costs:\$1029.75. Cumulative Costs:\$15,897.50.**

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 2

Day 10-7/2/97-Present Operations:Prepare to dig cellar . Set starting gear.
Drilled in 24 hrs:160'. Avg. rate of penetration 18'/hr. Run 921.21' of 9 5/8"
36#/ft J-55 Surface casing & cement . Drill rat & mouse hole. Set 20 jnts with
12 1/2" from 18 to 940.Surface Csg.-9 5/8" 36#/ft J 55 50/50 POZ + 6% D-20
1/4 #/sk D-28 G + 2% S-1+1/4 #/sk D-28 320 sks.**Daily Costs:\$32,192.34.**
Cumulative Costs:\$48089.84.

Day 11-7/3/97-Present Operations-Rigging up Caza Rig #59. Current Depth:
921'. Drilled in 24 hrs: 0. Dig cellar.Drill with airhammer. Set cellar.Cut
casing & weld on 9 5/8"sow 5000 . Startin head & test. All of caza rig #59 is
moving to location for rig up 7/3/97. **Daily Costs:\$3141.42. Cumulative**
Costs:\$51,231.20.

Day 12- 7/4/97-Present Operations-Prepare to drill out. Current Depth:921'.
Drilled in 24 hrs:0.Drilling fluid:Air. Wt./Press. 300-400. Scf. 1800-2000. Drill
in 921' with 8 3/4"Hammer bit in 4 hrs. Rig up & nipple up BOP's. Dig rat &
mouse hole,set flowline in place. Rig up testers. Test BOP's & manifold.
Casing & Kelly. Lay blooie line & install rotating head. Prepare to go in hole.
Pick up collars & heavy wt drill pipe (OD-10-strap). Bit-a-bit-bit-sub-hammer-
(16-D.C.)-(20-HW)= 1136.35. **Daily Costs:\$30,000.10. Cumulative**
Costs:\$81,231.90.

Day 13-7/5/97-Present Operations-Prepare for Survey. Current Depth:2009'.
Drilled in 24 hrs: 0.Deviation Survey:1 1/4 @ 895'. 1/4 @ 1542'. Pickup heavy
wt.drill pipe. Rig up rotating head-blow hole dry (surface casing water).Repair
leaks. Drill cement. Survey. Drill. **Daily Costs:\$11,468.50. Cumulative**
Costs:\$92,700.40.

Day 14-7/6/97-Present Operations-Building mud weight(kill procedures).
Current Depth:2742'. Drilled in 24 hrs: 0.Drilling fluid:F.W. gel. Wt/Press:9.5
vis 42. Drilled in 920' out 2742' with 8 3/4 Halco hammer in 24 hrs. Total
rotating hrs:33. Deviation Survey:2 @2497. 1 1/4 @ 1969. Drilling. Survey.
Watered out. Circulate w/air. Clean hole. Set kelly back POOH w/hammer.
Well coming in-gas-5 stds out. Well on choke max pressure. Flowing pressure.
Build mud volume and weight. **Daily Costs:\$11,732.00. Cumulative**
Costs:\$104,432.40.

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 3

Day 15-7/7/97-Present Operations-Drilling. Current Depth:2898'. Drilling in 24 hrs:0.Drilling fluid:F.W. gel. Wt/Press. 1300 9.8+ vis 45. Scf. 60/96-35/40-1000psi #1.60/65- 35/40-1350psi #2. Total rotating hrs:44 ½. Mix & condition (kill well annulars 400 psi). Trip out with hammer. Check BOP's. Lay down hammer & bit assembly. Pickup mud motor & trip in with new assembly. Wash to bottom 55'. Circulate bottoms up-circulate gas out. Drilling. Lost #1 pump (discharge valves & seats). **Daily Costs:\$20,414.00. Cum. Costs:\$124,846.40.**

Day 16-7/8/97-Present Operations:Drilling. Current Depth:3147'. Drilled in 24 hrs:249'.Drilling fluid:F.W. gel. Wt./Press:SN-LB 316.Hugh J-55. Scf:9.8#/gal 52 vis 4 fluid loss PH.9.0. Drilled in 2742' with 8 ¾ Hugh J-44 in 24 hrs. Deviation Survey 2 ¼ @3013. Drilling. Survey. (Possible error-may have been moving). **Daily Costs:\$15,008.00. Cumulative Costs :\$139,854.40.**

Day 17-7/9/97-Present Operations:Drilling. Current Depth:3435'Drilled in 24 hrs:295'. Drilling fluid:F.W. Gel. Wt./Press. 9.6 52 vis 4 F.L. Scf:9.0 PH. Total rotating hrs:91. **Daily Costs:\$12,408.00. Cumulative Costs:\$152,262.40.**

Day 18-7/10/97-Present Operations:Drilling. Current Depth:3607'. Drilling fluid: F.W. Gel LSND. Wt./Press: 9.4 47 vis 9.0 PH. Scf. 5 WL. Drilled in 2742' out 3475' in 5 ½ hrs with 8 ¾" Hugh SN-LB316 3/16. Drilled in 3475' with 8 ¾" Smith LM 3350 3/16 F-4. Total rotating hrs: 109 Deviation 3 ¼ @ 3442'. Pill & drop survey. Trip out for new bit. Change bit & BHA work blind rams. Trip in hole w/ new BHA. Wash to bottom. No fill no torque. Start drilling. Rig service.
BHA: 1 bit-1.00'-1 mud motor-22.50'-1 shock sub-8.72 - 1 float sub-2.10-16 D.C 471.28 - 20 HWDP 615.13=1120.73'.
Daily Costs:\$17,017.00. Cumulative Costs:\$169,279.40.

Day 19-7/11/97-Present Operations:Drilling. Current Depth:3875'. Drilling fluid: F.W. gel. LSNO. Total rotating hrs:132. **Daily Costs:\$14,966.50. Cumulative Costs:\$184,245.90.**

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well

Footages:

467' FNL & 1461' FWL

QQ, Sec., T., R., M.: NE/NW, SEC. 16, T14S, R09E, SLB&M

5. Lease Designation and Serial Number:

PATENTED LAND

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Fausett D5

9. API Well Number:

43-007-30351

10. Field or Pool, or Wildcat:

Drunkard's Wash

County: CARBON

State: UTAH

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****NOTICE OF INTENT**
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Weekly Report</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

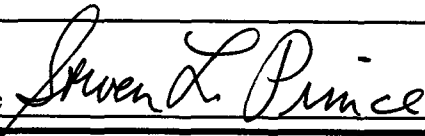
* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED

13.

Name & Signature: Steven L. Prince



Title: Regulatory Manager

Date: 7/18/97

(This space for state use only)

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Ross Drilling Co.

PAGE 1

Day 1-6/23/97-Present Operations-Drilled conductor hole. **Spud Date:6/22/97 12:00 p.m.** Drilled in 24 hrs: 0. Moved in Rig. Drilled conductor hole to 18' - set 18' of 14" conductor. Conductor bore hole 16" - from 0 to 18 with 14 P.E. Set @ 18'. **Daily Costs:\$ 635.00. Cumulative Costs:\$635.00.**

Day 2-6/24/97-Present Operations-Waiting for air package. Depth 18'. Drilled in 24 hrs: 0. Cemented conductor pipe w/ready mix & moved Frac tank to location. **Daily Costs:\$575.00. Cumulative Costs:\$1210.00.**

Day 3-6/25/97-Present Operations-Drilling. Current Depth:188'. Drilled in 24 hrs:170'. Drilled in 18' with 12 1/2" RR tri-cone bit. Moved in air package, rigged up air. Started drilling 18'-188'. Burned up starter on air. **Daily Costs: \$0. Cumulative Costs:\$1210.00.**

Day 4-6/26/97-Present Operations-Repair Rig. Current Depth 390'. Drilled in 24 hrs:202'. Drilling & repair rig. **Daily Costs:\$798.75. Cumulative Costs:\$ 2008.75.**

Day 5-6/27/97-Present Operations-Wait for Additional Air. Current Depth:420'. Drilled in 24 hrs:30'. Drilled in 18' out 390' with 12 1/2" RR tri-cone bit. Drill to 420'. Pulled trying to clean out hole. **Daily Costs:\$5,359.75. Cumulative Costs:\$ 7368.50.**

Day 6- 6/28/97-Present Operations-Drilling. Current Depth:475'. Drilled in 24 hrs:55'. Pull out of hole to work on equipment. Put float in string go in hole. **Daily Costs:\$5195.00. Cumulative Costs:\$12,563.50.**

Day 7-6/29/97-Present Operations-Drilling. Current Depth:550'. Drilled in 24 hrs:75'. Clean out hole, repair equipment, drill to 550'. **Daily Costs:\$829.25. Cumulative Costs:\$13,392.75.**

Day 8-6/30/97-Present Operations: Drilling. Current Depth:625'. Drilled in 24 hrs:75'. Rig repair-wait on parts. **Daily Costs:\$1475.00. Cumulative Costs: 14,867.75.**

Day 9-7/1/97-Present Operations:Drilling. Current Depth:750'. Drilled in 24 hr 155'. Drilling. Avg. rate of penetration 7.75'/hr. **Daily Costs:\$1029.75. Cumulative Costs:\$15,897.50.**

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 2

Day 10-7/2/97-Present Operations:Prepare to dig cellar . Set starting gear.
Drilled in 24 hrs:160'. Avg. rate of penetration 18'/hr. Run 921.21' of 9 5/8"
36#/ft J-55 Surface casing & cement . Drill rat & mouse hole. Set 20 jnts with
12 1/2" from 18 to 940.Surface Csg.-9 5/8" 36#/ft J 55 50/50 POZ + 6% D-20
1/4 #/sk D-28 G + 2% S-1+1/4 #/sk D-28 320 sks.**Daily Costs:\$32,192.34.**
Cumulative Costs:\$48089.84.

Day 11-7/3/97-Present Operations-Rigging up Caza Rig #59. Current Depth:
921'. Drilled in 24 hrs: 0. Dig cellar.Drill with airhammer. Set cellar.Cut
casing & weld on 9 5/8"sow 5000 . Startin head & test. All of caza rig #59 is
moving to location for rig up 7/3/97. **Daily Costs:\$3141.42. Cumulative**
Costs:\$51,231.26.

Day 12- 7/4/97-Present Operations-Prepare to drill out. Current Depth:921'.
Drilled in 24 hrs:0.Drilling fluid:Air. Wt./Press. 300-400. Scf. 1800-2000. Drill
in 921' with 8 3/4"Hammer bit in 4 hrs. Rig up & nipple up BOP's. Dig rat &
mouse hole,set flowline in place. Rig up testers. Test BOP's & manifold.
Casing & Kelly. Lay blooie line & install rotating head. Prepare to go in hole.
Pick up collars & heavy wt drill pipe (OD-10-strap). Bita-bit-bitsub-hammer-
(16-D.C.)-(20-HW)= 1136.35. **Daily Costs:\$30,000.10. Cumulative**
Costs:\$81,231.36.

Day 13-7/5/97-Present Operations-Prepare for Survey. Current Depth:2009'.
Drilled in 24 hrs: 0.Deviation Survey:1 1/4 @ 895'. 1/4 @ 1542'. Pickup heavy
wt.drill pipe. Rig up rotating head-blow hole dry (surface casing water).Repair
leaks. Drill cement. Survey. Drill. **Daily Costs:\$11,468.50. Cumulative**
Costs:\$92,699.86.

Day 14-7/6/97-Present Operations-Building mud weight(kill procedures).
Current Depth:2742'. Drilled in 24 hrs: 0.Drilling fluid:F.W. gel. Wt/Press:9.5
vis 42. Drilled in 920' out 2742' with 8 3/4 Halco hammer in 24 hrs. Total
rotating hrs:33. Deviation Survey:2 @2497. 1 1/4 @ 1969. Drilling. Survey.
Watered out. Circulate w/air. Clean hole. Set kelly back POOH w/hammer.
Well coming in-gas-5 stds out. Well on choke max pressure. Flowing pressure.
Build mud volume and weight. **Daily Costs:\$11,732.00. Cumulative**
Costs:\$104,431.86.

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 3

Day 15-7/7/97-Present Operations-Drilling. Current Depth:2898'. Drilling in 24 hrs:0.Drilling fluid:F.W. gel. Wt/Press. 1300 9.8+ vis 45. Scf. 60/96-35/40-1000psi #1.60/65- 35/40-1350psi #2. Total rotating hrs:44 ½. Mix & condition (kill well annulars 400 psi). Trip out with hammer. Check BOP's. Lay down hammer & bit assembly. Pickup mud motor & trip in with new assembly. Wash to bottom 55'. Circulate bottoms up-circulate gas out. Drilling. Lost #1 pump (discharge valves & seats). **Daily Costs:\$20,414.00. Cum. Costs:\$124,845.86.**

Day 16-7/8/97-Present Operations:Drilling. Current Depth:3147'. Drilled in 24 hrs:249'.Drilling fluid:F.W. gel. Wt./Press:SN-LB 316.Hugh J-55. Scf:9.8#/gal 52 vis 4 fluid loss PH.9.0. Drilled in 2742' with 8 ¾ Hugh J-44 in 24 hrs. Deviation Survey 2 ¼ @3013. Drilling. Survey. (Possible error-may have been moving). **Daily Costs:\$15,008.00. Cumulative Costs :\$139,853.86**

Day 17-7/9/97-Present Operations:Drilling. Current Depth:3435'Drilled in 24 hrs.295'. Drilling fluid:F.W. Gel. Wt./Press. 9.6 52 vis 4 F.L. Scf:9.0 PH. Total rotating hrs:91. **Daily Costs:\$12,408.00. Cumulative Costs:\$152,261.86**

Day 18-7/10/97-Present Operations:Drilling. Current Depth:3607'. Drilling fluid: F.W. Gel LSND. Wt./Press: 9.4 47 vis 9.0 PH. Scf. 5 WL. Drilled in 2742' out 3475' in 5 ½ hrs with 8 ¾" Hugh SN-LB316 3/16. Drilled in 3475' with 8 ¾" Smith LM 3350 3/16 F-4. Total rotating hrs: 109 Deviation 3 ¼ @ 3442'. Pill & drop survey. Trip out for new bit. Change bit & BHA work blind rams. Trip in hole w/ new BHA. Wash to bottom. No fill no torque. Start drilling. Rig service.

BHA: 1 bit-1.00'-1 mud motor-22.50'-1 shock sub-8.72 - 1 float sub-2.10-16 D.C 471.28 - 20 HWDP 615.13=1120.73'.

Daily Costs:\$17,017.00. Cumulative Costs:\$169,278.86

Day 19-7/11/97-Present Operations:Drilling. Current Depth:3875'. Drilling fluid: F.W. gel. LSNO. Total rotating hrs:132. **Daily Costs:\$14,966.50. Cumulative Costs:\$184,245.36**

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 4

Day 20- 7/12/97-Present Operations:Drilling. Current Depth:4110'. Drilled in 24 hrs: 235'. Drilling fluid:F.W. Gel LSND. 9.7 vis 50 9.0 PH. 5WL.Drilled in 3475' with 8 3/4" Smith F-4 LM3350 3116. Total rotating hrs:155. Deviation Survey:4"@1974'. Drilling. Rig service Hydril & pipe rams (worked), Rig service & survey. **Daily Costs:\$21,134.97. Cumulative Costs:\$205,380.33**

Day 21-7/13/97-Present Operation:Drilling. Current Depth:4190'. Drilled in 24 hrs:80'.Drilling. Rig service. Circulate up sample,mix & pump pill. Trip out for bit. Change & dress bit #7 w 3/16 sets. Trip in hole. Ream 60' circulate build vis to 60 c.p. Lay down 16 jts. (8stands)Trip in 6 stands from Derrick. Wash & ream to bottom. **Daily Costs:\$16336.75. Cumulative Costs:\$221,717.08.**

Day 22-7/14/97-Present Operations:Drilling. Current Depth:4420'. Drilled in 24 hrs:230'. Drilled in 4156' with 8 3/4"Security ERA33 SN-699143 in 24 hrs. Drilling. Rig service. Check BOP's. **Daily Costs:\$10,240.00. Cumulative Costs:\$231,957.08**

Day 23-7/15/97-Present Operations:Drilling. Current Depth:4510'. Rig service work hydril. Pump pill & drop survey. Lay down 1 jt DP & trip out. Lay down old mud motor. Wait on new mud motor. Service Rig. Wait on new mud motor. Trip in hole w/new bit. Wash down 30' to bottom. **Daily Costs:\$12,408.50. Cumulative Costs:\$244,365.58.**

Day 24-7/16/97-Present Operations:Drilling. Current Depth:4655'. Rig service. Drilling. **Daily Costs:\$10,621.00. Cumulative Costs:\$254,986.58.**

Day 25-7/17/97- Present Operations:Drilling-Still in Morrison Formation. Current Depth:4787. Drilled in 24 hrs:132. Rig Service & Check BOP. **Daily Costs:\$11,871.25. Cumulative Costs:\$266,857.83**

Day 26-7/18/97-Present Operations:Drilling. Rig Service. Current Depth:4919'. Drilled in 24 hrs:132'. **Daily Costs:\$10776.00.Cumulative Costs:\$277,633.83**

ORIGINAL

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well

Footages:

467' FNL & 1461' FWLQQ, Sec., T., R., M.: NE/NW, SEC. 16, T14S, R09E, SLB&M

5. Lease Designation and Serial Number:

PATENTED LAND

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Fausett D5

9. API Well Number:

43-007-30351

10. Field or Pool, or Wildcat:

Drunkard's WashCounty: CARBONState: UTAH11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****NOTICE OF INTENT**
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Weekly Report</u> | |

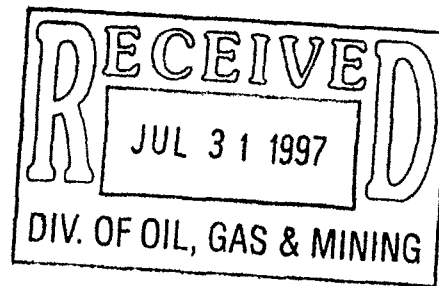
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED



13.

Name & Signature: Steven L. PrinceTitle: Regulatory ManagerDate: 7/25/97

(This space for state use only)

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Ross Drilling Co.

PAGE 1

Day 1-6/23/97-Present Operations-Drilled conductor hole. **Spud Date:6/22/97 12:00 p.m.** Drilled in 24 hrs: 0. Moved in Rig. Drilled conductor hole to 18'-set 18' of 14" conductor. Conductor bore hole 16"- from 0 to 18 with 14 P.E. Set @ 18'. **Daily Costs:\$ 635.00. Cumulative Costs:\$635.00.**

Day 2-6/24/97-Present Operations-Waiting for air package. Depth 18'. Drilled in 24 hrs: 0. Cemented conductor pipe w/ready mix & moved Frac tank to location. **Daily Costs:\$575.00. Cumulative Costs:\$1210.00.**

Day 3-6/25/97-Present Operations-Drilling. Current Depth:188'. Drilled in 24 hrs:170'. Drilled in 18' with 12 1/2" RR tri-cone bit. Moved in air package, rigged up air. Started drilling 18'-188'. Burned up starter on air. **Daily Costs:\$0. Cumulative Costs:\$1210.00.**

Day 4-6/26/97-Present Operations-Repair Rig. Current Depth 390'. Drilled in 24 hrs:202'. Drilling & repair rig. **Daily Costs:\$798.75. Cumulative Costs:\$ 2008.75.**

Day 5-6/27/97-Present Operations-Wait for Additional Air. Current Depth:420'. Drilled in 24 hrs:30'. Drilled in 18' out 390' with 12 1/2" RR tri-cone bit. Drill to 420'. Pulled trying to clean out hole. **Daily Costs:\$5,359.75. Cumulative Costs:\$ 7368.50.**

Day 6- 6/28/97-Present Operations-Drilling. Current Depth:475'. Drilled in 24 hrs:55'. Pull out of hole to work on equipment. Put float in string go in hole. **Daily Costs:\$5195.00. Cumulative Costs:\$12,563.50.**

Day 7-6/29/97-Present Operations-Drilling. Current Depth:550'. Drilled in 24 hrs:75'. Clean out hole, repair equipment, drill to 550'. **Daily Costs:\$829.25. Cumulative Costs:\$13,392.75.**

Day 8-6/30/97-Present Operations: Drilling. Current Depth:625'. Drilled in 24 hrs:75'. Rig repair-wait on parts. **Daily Costs:\$1475.00. Cumulative Costs: 14,867.75.**

Day 9-7/1/97-Present Operations:Drilling. Current Depth:750'. Drilled in 24 hr 155'. Drilling. Avg. rate of penetration 7.75'/hr. **Daily Costs:\$1029.75. Cumulative Costs:\$15,897.50.**

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NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 2

Day 10-7/2/97-Present Operations:Prepare to dig cellar . Set starting gear. Drilled in 24 hrs:160'. Avg. rate of penetration 18'/hr. Run 921.21' of 9 5/8" 36#/ft J-55 Surface casing & cement . Drill rat & mouse hole. Set 20 jnts with 12 1/2" from 18 to 940.Surface Csg.-9 5/8" 36#/ft J 55 50/50 POZ + 6% D-20 1/4 #/sk D-28 G + 2% S-1+1/4 #/sk D-28 320 sks.**Daily Costs:\$32,192.34. Cumulative Costs:\$48089.84.**

Day 11-7/3/97-Present Operations-Rigging up Caza Rig #59. Current Depth: 921'. Drilled in 24 hrs: 0. Dig cellar.Drill with airhammer. Set cellar.Cut casing & weld on 9 5/8" sow 5000 . Startin head & test. All of caza rig #59 is moving to location for rig up 7/3/97. **Daily Costs:\$3141.42. Cumulative Costs:\$51,231.26.**

Day 12- 7/4/97-Present Operations-Prepare to drill out. Current Depth:921'. Drilled in 24 hrs:0.Drilling fluid:Air. Wt./Press. 300-400. Scf. 1800-2000. Drill in 921' with 8 3/4"Hammer bit in 4 hrs. Rig up & nipple up BOP's. Dig rat & mouse hole,set flowline in place. Rig up testers. Test BOP's & manifold. Casing & Kelly. Lay blooie line & install rotating head. Prepare to go in hole. Pick up collars & heavy wt drill pipe (OD-10-strap). Bit-a-bit-bit-sub-hammer-(16-D.C.)-(20-HW)= 1136.35. **Daily Costs:\$30,000.10. Cumulative Costs:\$81,231.36.**

Day 13-7/5/97-Present Operations-Prepare for Survey. Current Depth:2009'. Drilled in 24 hrs: 0.Deviation Survey:1 1/4 @ 895'. 1/4 @ 1542'. Pickup heavy wt.drill pipe. Rig up rotating head-blow hole dry (surface casing water).Repair leaks. Drill cement. Survey. Drill. **Daily Costs:\$11,468.50. Cumulative Costs:\$92,699.86.**

Day 14-7/6/97-Present Operations-Building mud weight(kill procedures). Current Depth:2742'. Drilled in 24 hrs: 0.Drilling fluid:F.W. gel. Wt/Press:9.5 vis 42. Drilled in 920' out 2742' with 8 3/4 Halco hammer in 24 hrs. Total rotating hrs:33. Deviation Survey:2 @2497. 1 1/4 @ 1969. Drilling. Survey. Watered out. Circulate w/air. Clean hole. Set kelly back POOH w/hammer. Well coming in-gas-5 stds out. Well on choke max pressure. Flowing pressure. Build mud volume and weight. **Daily Costs:\$11,732.00. Cumulative Costs:\$104,431.86.**

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Disposal Well 5
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DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 3

Day 15-7/7/97-Present Operations-Drilling. Current Depth:2898'. Drilling in 24 hrs:0.Drilling fluid:F.W. gel. Wt/Press. 1300 9.8+ vis 45. Scf. 60/96-35/40-1000psi #1.60/65- 35/40-1350psi #2. Total rotating hrs:44 ½. Mix & condition (kill well annulars 400 psi). Trip out with hammer. Check BOP's. Lay down hammer & bit assembly. Pickup mud motor & trip in with new assembly. Wash to bottom 55'. Circulate bottoms up-circulate gas out. Drilling. Lost #1 pump (discharge valves & seats). **Daily Costs:\$20,414.00. Cum. Costs:\$124,845.86.**

Day 16-7/8/97-Present Operations:Drilling. Current Depth:3147'. Drilled in 24 hrs:249'. Drilling fluid:F.W. gel. Wt./Press:SN-LB 316.Hugh J-55. Scf:9.8#/gal 52 vis 4 fluid loss PH.9.0. Drilled in 2742' with 8 ¾ Hugh J-44 in 24 hrs. Deviation Survey 2 ¼ @3013. Drilling. Survey. (Possible error-may have been moving). **Daily Costs:\$15,008.00. Cumulative Costs :\$139,853.86**

Day 17-7/9/97-Present Operations:Drilling. Current Depth:3435'Drilled in 24 hrs:295'. Drilling fluid:F.W. Gel. Wt./Press. 9.6 52 vis 4 F.L. Scf:9.0 PH. Total rotating hrs:91. **Daily Costs:\$12,408.00. Cumulative Costs:\$152,261.86**

Day 18-7/10/97-Present Operations:Drilling. Current Depth:3607'. Drilling fluid: F.W. Gel LSND. Wt./Press: 9.4 47 vis 9.0 PH. Scf. 5 WL. Drilled in 2742' out 3475' in 5 ½ hrs with 8 ¾" Hugh SN-LB316 3/16. Drilled in 3475' with 8 ¾" Smith LM 3350 3/16 F-4. Total rotating hrs: 109 Deviation 3 ¼ @ 3442'. Pill & drop survey. Trip out for new bit. Change bit & BHA work blind rams. Trip in hole w/ new BHA. Wash to bottom. No fill no torque. Start drilling. Rig service.
BHA: 1 bit-1.00'-1 mud motor-22.50'-1 shock sub-8.72 - 1 float sub-2.10-16 D.C 471.28 - 20 HWDP 615.13=1120.73'.
Daily Costs:\$17,017.00. Cumulative Costs:\$169,278.86

Day 19-7/11/97-Present Operations:Drilling. Current Depth:3875'. Drilling fluid: F.W. gel. LSNO. Total rotating hrs:132. **Daily Costs:\$14,966.50. Cumulative Costs:\$184,245.36**

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 4

Day 20- 7/12/97-Present Operations:Drilling. Current Depth:4110'. Drilled in 24 hrs: 235'. Drilling fluid:F.W. Gel LSND. 9.7 vis 50 9.0 PH. 5WL.Drilled in 3475' with 8 3/4" Smith F-4 LM3350 3116. Total rotating hrs:155. Deviation Survey:4°@1974'. Drilling. Rig service Hydril & pipe rams (worked), Rig service & survey. **Daily Costs:\$21,134.97. Cumulative Costs:\$205,380.33**

Day 21-7/13/97-Present Operation:Drilling. Current Depth:4190'. Drilled in 24 hrs:80'. Drilling. Rig service. Circulate up sample,mix & pump pill. Trip out for bit. Change & dress bit #7 w 3/16 sets. Trip in hole. Ream 60'circulate build vis to 60 c.p. Lay down 16 jts. (8stands)Trip in 6 stands from Derrick. Wash & ream to bottom. **Daily Costs:\$16336.75. Cumulative Costs:\$221,717.08.**

Day 22-7/14/97-Present Operations:Drilling. Current Depth:4420'. Drilled in 24 hrs:230'. Drilled in 4156' with 8 3/4"Security ERA33 SN-699143 in 24 hrs. Drilling. Rig service. Check BOP's. **Daily Costs:\$10,240.00. Cumulative Costs:\$231,957.08**

Day 23-7/15/97-Present Operations:Drilling. Current Depth:4510'. Rig service work hydril. Pump pill & drop survey. Lay down 1 jt DP & trip out. Lay down old mud motor. Wait on new mud motor. Service Rig. Wait on new mud motor. Trip in hole w/new bit. Wash down 30' to bottom. **Daily Costs:\$12,408.50. Cumulative Costs:\$244,365.58.**

Day 24-7/16/97-Present Operations:Drilling. Current Depth:4655'. Rig service. Drilling. **Daily Costs:\$10,621.00. Cumulative Costs:\$254,986.58.**

Day 25-7/17/97- Present Operations:Drilling-Still in Morrison Formation. Current Depth:4787. Drilled in 24 hrs:132. Rig Service & Check BOP. **Daily Costs:\$11,871.25. Cumulative Costs:\$266,857.83**

Day 26-7/18/97-Present Operations:Drilling. Rig Service. Current Depth:4919'. Drilled in 24 hrs:132'. **Daily Costs:\$10776.00.Cumulative Costs:\$277,633.83**

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Day 27-7/19/97-Present Operations:Drilling. Current Depth:4995'. Drilled in 24 hrs: 0'. Drilled in 4480' to 4942' with 8 3/4" Smith F-4 S/N LM 6871 3/16, Total rotating hrs:290. Drilling. Pump pill trip for new pit. Rig service. Dress bit #9 Smith 8 3/4" F-47H 3/15 SN LM 2624 & Trip n hole. Trip in hole -no fill. **Daily Costs:\$16,145.00. Cumulative Costs:\$299,279.37.**

Day 28-7/20/97-Present Operations:Drilling. Current Depth:5093'. Drilled in 24 hrs:98'. Deviation Survey:6°4991. Drilling. Rig Service Check BOP's. Survey. **Daily Costs:\$10,328.00. Cumulative Costs:\$309,607.37.**

Day 29-7/21/97-Present Operations:Drilling. Current Depth:5165'. Drilled in 24 hrs:72'. Total rotating hrs:336.5. Rig service . Check BOP's . **Daily Costs:\$11,080.00. Cumulative Costs:\$320,687.37.**

Day 30-7/22/97-Present Operations:Prepare to trip out. Current Depth:5232'. Drilled in 24 hrs:70'. Drilled in 4942' out 5232' with 8 3/4" bit9 Smith F-45 SN LM 2624.**Daily Costs:\$11389.00. Cumulative Costs:\$332,076.37.**

Day 31-7/23/97-Present Operations-Drilling. Current Depth:5267'. Drilled in 24 hrs:35. Pump pill & drop survey. Trip out for new bit. Lay down motor& shock sub. Pickup bit & bitsub. Clean sand trap .Rig Service. Trip in hole. Rig service work hydril. Wireline survey 2 1/4 ° @ 5200. Drilling. **Daily Costs:\$10374.00. Cumulative Costs:\$342450.37.**

Day 32-7/24/97-Present Operations-Drilling. Current Depth:5341'. Drilled in 24 hrs:74'. Total rotating hrs:399. Rig Service. -Work BOP.Drill. Note: Mud logger has computer problems. No mud log today. **Daily Costs:\$10,542.00. Cumulative Costs:\$352,992.32.**

Day 33-7/25/97-Present Operations-Drilling. Current Depth:5411'. Drilled in 24 hrs:70'. Rig Service. Drilling. Total rotating hrs:422. **Daily Costs:\$10,182.35. Cumulative Costs:\$363,175.02.**

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well

Footages: 467' FNL & 1461' FWL

QQ, Sec., T., R., M.: NE/NW, SEC. 16, T14S, R09E, SLB&M

5. Lease Designation and Serial Number:

PATENTED LAND

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Fausett D5

9. API Well Number:

43-007-30351

10. Field or Pool, or Wildcat:

Drunkard's Wash

County: CARBON

State: UTAH

CONFIDENTIAL

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Weekly Report</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED

CONFIDENTIAL

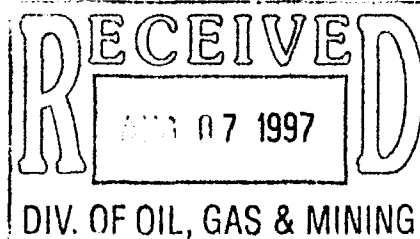
13.

Name & Signature: Steven L. Prince

Title: Regulatory Manager

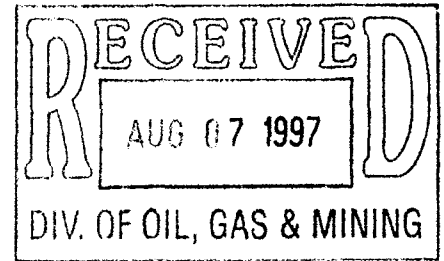
Date: 8/1/97

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DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
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NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Ross Drilling Co.



PAGE 1

Day 1-6/23/97-Present Operations-Drilled conductor hole. Spud Date:6/22/97 12:00 p.m. Drilled in 24 hrs: 0. Moved in Rig. Drilled conductor hole to 18'-set 18' of 14" conductor. Conductor bore hole 16"- from 0 to 18 with 14 P.E. Set @ 18'. **Daily Costs:\$ 635.00. Cumulative Costs:\$635.00.**

Day 2-6/24/97-Present Operations-Waiting for air package. Depth 18'. Drilled in 24 hrs: 0. Cemented conductor pipe w/ready mix & moved Frac tank to location. **Daily Costs:\$575.00. Cumulative Costs:\$1210.00.**

Day 3-6/25/97-Present Operations-Drilling. Current Depth:188'. Drilled in 24 hrs:170'. Drilled in 18' with 12 1/2" RR tri-cone bit. Moved in air package, rigged up air. Started drilling 18'-188'. Burned up starter on air. **Daily Costs:\$0. Cumulative Costs:\$1210.00.**

Day 4-6/26/97-Present Operations-Repair Rig. Current Depth 390'. Drilled in 24 hrs:202'. Drilling & repair rig. **Daily Costs:\$798.75. Cumulative Costs:\$ 2008.75.**

Day 5-6/27/97-Present Operations-Wait for Additional Air. Current Depth:420'. Drilled in 24 hrs:30'. Drilled in 18' out 390' with 12 1/2" RR tri-cone bit. Drill to 420'. Pulled trying to clean out hole. **Daily Costs:\$5,359.75. Cumulative Costs:\$ 7368.50.**

Day 6- 6/28/97-Present Operations-Drilling. Current Depth:475'. Drilled in 24 hrs:55'. Pull out of hole to work on equipment. Put float in string go in hole. **Daily Costs:\$5195.00. Cumulative Costs:\$12,563.50.**

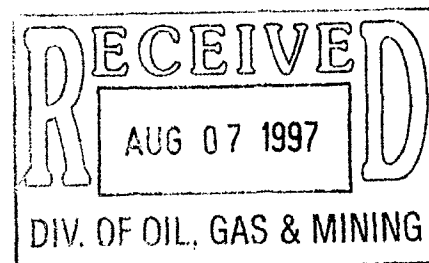
Day 7-6/29/97-Present Operations-Drilling. Current Depth:550'. Drilled in 24 hrs:75'. Clean out hole, repair equipment, drill to 550'. **Daily Costs:\$829.25. Cumulative Costs:\$13,392.75.**

Day 8-6/30/97-Present Operations: Drilling. Current Depth:625'. Drilled in 24 hrs:75'. Rig repair-wait on parts. **Daily Costs:\$1475.00. Cumulative Costs: 14,867.75.**

Day 9-7/1/97-Present Operations:Drilling. Current Depth:750'. Drilled in 24 hr 155'. Drilling. Avg. rate of penetration 7.75'/hr. **Daily Costs:\$1029.75. Cumulative Costs:\$15,897.50.**

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PAGE 2

Day 10-7/2/97-Present Operations:Prepare to dig cellar . Set starting gear.
Drilled in 24 hrs:160'. Avg. rate of penetration 18'/hr. Run 921.21' of 9 5/8"
36#/ft J-55 Surface casing & cement . Drill rat & mouse hole. Set 20 jnts with
12 1/2" from 18 to 940.Surface Csg.-9 5/8" 36#/ft J 55 50/50 POZ + 6% D-20
1/4 #/sk D-28 G + 2% S-1+1/4 #/sk D-28 320 sks.**Daily Costs:\$32,192.34.**
Cumulative Costs:\$48089.84.

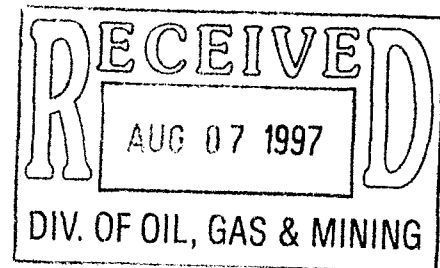
Day 11-7/3/97-Present Operations-Rigging up Caza Rig #59. Current Depth:
921'. Drilled in 24 hrs: 0. Dig cellar.Drill with airhammer. Set cellar.Cut
casing & weld on 9 5/8" sow 5000 . Startin head & test. All of caza rig #59 is
moving to location for rig up 7/3/97. **Daily Costs:\$3141.42. Cumulative**
Costs:\$51,231.26.

Day 12- 7/4/97-Present Operations-Prepare to drill out. Current Depth:921'.
Drilled in 24 hrs:0.Drilling fluid:Air. Wt./Press. 300-400. Scf. 1800-2000. Drill
in 921' with 8 3/4"Hammer bit in 4 hrs. Rig up & nipple up BOP's. Dig rat &
mouse hole,set flowline in place. Rig up testers. Test BOP's & manifold.
Casing & Kelly. Lay blooie line & install rotating head. Prepare to go in hole.
Pick up collars & heavy wt drill pipe (OD-10-strap). Bit-a-bit-bit-sub-hammer-
(16-D.C.)-(20-HW)= 1136.35. **Daily Costs:\$30,000.10. Cumulative**
Costs:\$81,231.36.

Day 13-7/5/97-Present Operations-Prepare for Survey. Current Depth:2009'.
Drilled in 24 hrs: 0.Deviation Survey:1 1/4 @ 895'. 1/4 @ 1542'. Pickup heavy
wt.drill pipe. Rig up rotating head-blow hole dry (surface casing water).Repair
leaks. Drill cement. Survey. Drill. **Daily Costs:\$11,468.50. Cumulative**
Costs:\$92,699.86.

Day 14-7/6/97-Present Operations-Building mud weight(kill procedures).
Current Depth:2742'. Drilled in 24 hrs: 0.Drilling fluid:F.W. gel. Wt/Press:9.5
vis 42. Drilled in 920' out 2742' with 8 3/4 Halco hammer in 24 hrs. Total
rotating hrs:33. Deviation Survey:2 @2497. 1 1/4 @ 1969. Drilling. Survey.
Watered out. Circulate w/air. Clean hole. Set kelly back POOH w/hammer.
Well coming in-gas-5 stds out. Well on choke max pressure. Flowing pressure.
Build mud volume and weight. **Daily Costs:\$11,732.00. Cumulative**
Costs:\$104,431.86.

DAILY WELL REPORT



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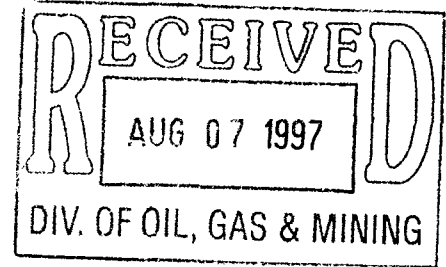
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BHA: 1 bit-1.00'-1 mud motor-22.50'-1 shock sub-8.72 - 1 float sub-2.10-16 D.C 471.28 - 20 HWDP 615.13=1120.73'.

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Day 34-7/26/97-Present Operations:Drilling. Current Depth:5500'. Drilled in 24 hrs: 89'. Total rotating hrs:445. Rig service. **Daily Costs:\$9,662.00. Cumulative Costs:\$372,837.02.**

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DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 6

Day 35-7/27/97-Present Operations: Drilling. Current Depth:5584'. Drilled in 24 hrs: 84'. Drilled in 5232' to 5518' with 8 3/4" Smith F-35 SN LJ7942 bit 10. Total rotating hrs:461. Rig service. Pump pill drop survey. Pull out of hole. Change bit pickup mud motor. Trip in hole. Wash 39' to bottom. Drill 551P 5521. Rig service. Check BOP's. **Daily Costs:\$17,477.00. Cumulative Costs:\$390,314.02.**

Day 36-7/28/97-Present Operations:Drilling. Current Depth:5717'. Drilled in 24 hrs:133. Deviation Survey: 3/4 ° 5518. Rig Service. Repair air line to #2 pump throttle. Rig service. Check BOP. **Daily Costs:\$10,151.00. Cumulative Costs:\$400,465.02.**

Day 37-7/29/97-Present Operations:Rig Service. Current Depth:5834'. Drilled in 24 hrs:117. Total rotating hrs: 506 1/2. Rig service grease crown & block. Rig service. **Daily Costs:\$10,152.00. Cumulative Costs:\$410,617.02.**

Day 38-7/30/97-Present Operations:Drilling. Current Depth:5958'. Drilled in 24 hrs:124. Total rotating hrs:506 1/2. **Daily Costs:\$10,789.00. Cumulative Costs:\$421,406.02.**

Day 39-7/31/97-Present Operations:Drilling.Prepare to trip. Total rotating hrs:529 1/2. Rig Service. **Daily Costs:\$11,352.00. Cumulative Costs:\$432,758.02.**

Day 40-8/1/97-Present Operations:Drilling. Current Depth:6187'. Drilling in 24 hrs:89'. Drilled in 5518' out 6098' with 8 3/4" Hughes ATJ 33 SN-J30XG 3/14. Total Rotating hrs:544. Deviation Survey: 3/4°@ 6098'. Pump pill & drop survey. Trip out for bit. Change bit-work BOP's. Rig service. Trip in hole. Wash & ream 60' to bottom. Rig service.Drilling. **Daily Costs:\$16,418.00. Cumulative Costs:\$449,176.02.**

Day 41-8/2/97-Present Operations:Drilling. Current Depth:6357'. Drilled in 24 hrs:170'. Total rotating hrs:567. Rig Service, Check BOP's. BOP drill. **Daily Costs:\$10,624.00. Cumulative Costs:\$459,805.02.**

Day 42-8/3/97-Present Operations:Drilling. Current Depth:6546'. Total rotating hrs:590'. Rig Service. Drilling. **Daily Costs:\$12,028.00. Cumulative Costs:\$471,833.02.**

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well

Footages:

467' FNL & 1461' FWL

QQ, Sec., T., R., M.: NE/NW, SEC. 16, T14S, R09E, SLB&M

5. Lease Designation and Serial Number:

PATENTED LAND

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Fausett D5

9. API Well Number:

43-007-30351

10. Field or Pool, or Wildcat:

Drunkard's Wash

County: CARBON

State: UTAH

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****NOTICE OF INTENT**
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Weekly Report</u> | |

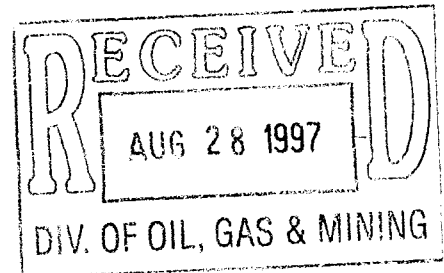
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED

CONFIDENTIAL

13.

Name & Signature: Steven L. Prince

Steven L. Prince

Title: Regulatory Manager

Date: 8/8/97

(This space for state use only)

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Ross Drilling Co.

PAGE 1

Day 1-6/23/97-Present Operations-Drilled conductor hole. Spud Date:6/22/97 12:00 p.m. Drilled in 24 hrs: 0. Moved in Rig. Drilled conductor hole to 18'-set 18' of 14" conductor. Conductor bore hole 16"- from 0 to 18 with 14 P.E. Set @ 18'. [REDACTED]

Day 2-6/24/97-Present Operations-Waiting for air package. Depth 18'. Drilled in 24 hrs: 0. Cemented conductor pipe w/ready mix & moved Frac tank to location. [REDACTED]

Day 3-6/25/97-Present Operations-Drilling. Current Depth:188'. Drilled in 24 hrs:170'. Moved in air package,rigged up air. Started drilling 18'-188'. Burned up starter on air. [REDACTED]

Day 4-6/26/97-Present Operations-Repair Rig. Current Depth 390'. Drilled in 24 hrs:202'. Drilling & repair rig [REDACTED]

Day 5-6/27/97-Present Operations-Wait for Additional Air. Current Depth:420'. Drilled in 24 hrs:30'. Drilled in 18' out 390' with 12 1/2" RR tri-cone bit. Drill to 420'. Pulled trying to clean out hole. [REDACTED]

Day 6- 6/28/97-Present Operations-Drilling. Current Depth:475'. Drilled in 24 hrs:55'. Pull out of hole to work on equipment. Put float in string go in hole. [REDACTED]

Day 7-6/29/97-Present Operations-Drilling. Current Depth:550'. Drilled in 24 hrs:75'. Clean out hole, repair equipment, drill to 550'. [REDACTED]

Day 8-6/30/97-Present Operations: Drilling. Current Depth:625'. Drilled in 24 hrs:75'. Rig repair-wait on parts. [REDACTED]

Day 9-7/1/97-Present Operations:Drilling. Current Depth:750'. Drilled in 24 hr 155'. Drilling. Avg. rate of penetration 7.75'/hr. [REDACTED]

DAILY WELL REPORT

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DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 2

Day 10-7/2/97-Present Operations: Prepare to dig cellar. Set starting gear. Drilled in 24 hrs: 160'. Avg. rate of penetration 18'/hr. Run 921.21' of 9 5/8" 36#/ft J-55 Surface casing & cement. Drill rat & mouse hole. Set 20 jnts with 12 1/2" from 18 to 940. Surface Csg.-9 5/8" 36#/ft J 55 50/50 POZ + 6% D-20 1/4 #/sk D-28 G + 2% S-1+1/4 #/sk D-28 320 sks. [REDACTED]
[REDACTED]

Day 11-7/3/97-Present Operations-Rigging up Caza Rig #59. Current Depth: 921'. Drilled in 24 hrs: 0. Dig cellar. Drill with airhammer. Set cellar. Cut casing & weld on 9 5/8" sow 5000. Startin head & test. All of caza rig #59 is moving to location for rig up 7/3/97. [REDACTED]
[REDACTED]

Day 12- 7/4/97-Present Operations-Prepare to drill out. Current Depth: 921'. Drilled in 24 hrs: 0. Drilling fluid: Air. Wt./Press. 300-400. Scf. 1800-2000. Rig up & nipple up BOP's. Dig rat & mouse hole, set flowline in place. Rig up testers. Test BOP's & manifold. Casing & Kelly. Lay blooie line & install rotating head. Prepare to go in hole. Pick up collars & heavy wt drill pipe (OD-10-strap). Bit-a-bit-sub-hammer-(16-D.C.)-(20-HW)= 1136.35. [REDACTED]
[REDACTED]

Day 13-7/5/97-Present Operations-Prepare for Survey. Current Depth: 2009'. Drilled in 24 hrs: 0. Deviation Survey: 1 1/4 @ 895'. 1/4 @ 1542'. Pickup heavy wt. drill pipe. Rig up rotating head-blow hole dry (surface casing water). Repair leaks. Drill cement. Survey. Drill. [REDACTED]
[REDACTED]

Day 14-7/6/97-Present Operations-Building mud weight(kill procedures). Current Depth: 2742'. Drilled in 24 hrs: 0. Drilling fluid: F.W. gel. Wt/Press: 9.5 vis 42. Drilled in 920' out 2742' with 8 3/4 Halco hammer in 24 hrs. Total rotating hrs: 33. Deviation Survey: 2 @ 2497. 1 1/4 @ 1969. Drilling. Survey. Watered out. Circulate w/air. Clean hole. Set kelly back POOH w/hammer. Well coming in-gas-5 stds out. Well on choke max pressure. Flowing pressure. Build mud volume and weight. [REDACTED]
[REDACTED]

DAILY WELL REPORT

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NE/NW, Sec.16,T14S,R9E
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API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 3

Day 15-7/7/97-Present Operations-Drilling. Current Depth:2898'. Drilling in 24 hrs:0.Drilling fluid:F.W. gel. Wt./Press. 1300 9.8+ vis 45. Scf. 60/96-35/40-1000psi #1.60/65- 35/40-1350psi #2. Total rotating hrs:44 ½. Mix & condition (kill well annulars 400 psi). Trip out with hammer. Check BOP's. Lay down hammer & bit assembly. Pickup mud motor & trip in with new assembly. Wash to bottom 55'. Circulate bottoms up-circulate gas out. Drilling. Lost #1 pump (discharge valves & seats). [REDACTED]

Day 16-7/8/97-Present Operations:Drilling. Current Depth:3147'. Drilled in 24 hrs:249'. Drilling fluid:F.W. gel. Wt./Press:SN-LB 316.Hugh J-55. Scf:9.8#/gal 52 vis 4 fluid loss PH.9.0. Drilled in 2742' with 8 ¾" Hugh J-44 in 24 hrs. Deviation Survey 2 ¼ @3013. Drilling. Survey. (Possible error-may have been moving). [REDACTED]

Day 17-7/9/97-Present Operations:Drilling. Current Depth:3435'Drilled in 24 hrs:295'. Drilling fluid:F.W. Gel. Wt./Press. 9.6 52 vis 4 F.L. Scf:9.0 PH. Total rotating hrs:91. [REDACTED]

Day 18-7/10/97-Present Operations:Drilling. Current Depth:3607'. Drilling fluid: F.W. Gel LSND. Wt./Press: 9.4 47 vis 9.0 PH. Scf. 5 WL. Drilled in 2742' out 3475' in 5 ½ hrs with 8 ¾" Hugh SN-LB316 3/16. Drilled in 3475' with 8 ¾" Smith LM 3350 3/16 F-4. Total rotating hrs: 109 Deviation 3 ¼ @ 3442'. Pill & drop survey. Trip out for new bit. Change bit & BHA work blind rams. Trip in hole w/ new BHA. Wash to bottom. No fill no torque. Start drilling. Rig service. BHA:1 bit-1.00'-1 mud motor-22.50'-1 shock sub-8.72 - 1 float sub-2.10-16 D.C 471.28 - 20 HWDP 615.13=1120.73'. [REDACTED]

Day 19-7/11/97-Present Operations:Drilling. Current Depth:3875'. Drilling fluid: F.W. gel. LSNO. Total rotating hrs:132. [REDACTED]

DAILY WELL REPORT

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CARBON COUNTY, UTAH
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API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

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Day 20- 7/12/97-Present Operations:Drilling. Current Depth:4110'. Drilled in 24 hrs: 235'. Drilling fluid:F.W. Gel LSND. 9.7 vis 50 9.0 PH. 5WL.Drilled in 3475' with 8 3/4" Smith F-4 LM3350 3116. Total rotating hrs:155. Deviation Survey:4°@1974'. Drilling. Rig service Hydril & pipe rams (worked), Rig service & survey. [REDACTED]

Day 21-7/13/97-Present Operation:Drilling. Current Depth:4190'. Drilled in 24 hrs:80'.Drilling. Rig service. Circulate up sample,mix & pump pill. Trip out for bit. Change & dress bit #7 w 3/16 sets. Trip in hole. Ream 60'circulate build vis to 60 c.p. Lay down 16 jts. (8stands)Trip in 6 stands from Derrick. Wash & ream to bottom. [REDACTED]

Day 22-7/14/97-Present Operations:Drilling. Current Depth:4420'. Drilled in 24 hrs:230'. Drilled in 4156' with 8 3/4"Security ERA33 SN-699143 in 24 hrs. Drilling. Rig service. Check BOP's. [REDACTED]

Day 23-7/15/97-Present Operations:Drilling. Current Depth:4510'. Rig service work hydril. Pump pill & drop survey. Lay down 1 jt DP & trip out. Lay down old mud motor. Wait on new mud motor. Service Rig. Wait on new mud motor. Trip in hole w/new bit. Wash down 30' to bottom. [REDACTED]

Day 24-7/16/97-Present Operations:Drilling. Current Depth:4655'. Rig service. Drilling. [REDACTED]

Day 25-7/17/97- Present Operations:Drilling-Still in Morrison Formation. Current Depth:4787. Drilled in 24 hrs:132. Rig Service & Check BOP. [REDACTED]

Day 26-7/18/97-Present Operations:Drilling. Rig Service. Current Depth:4919'. Drilled in 24 hrs:132'. [REDACTED]

DAILY WELL REPORT

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DRILLING CONTRACTOR: Caza Drilling Rig #59

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Day 27-7/19/97-Present Operations:Drilling. Current Depth:4995'. Drilled in 24 hrs: 0'. Drilled in 4480' to 4942' with 8 3/4" Smith F-4 S/N LM 6871 3/16, Total rotating hrs:290. Drilling. Pump pill trip for new pit. Rig service. Dress bit #9 Smith 8 3/4" F-47H 3/15 SN LM 2624 & Trip n hole. Trip in hole -no fill. [REDACTED]

Day 28-7/20/97-Present Operations:Drilling. Current Depth:5093'. Drilled in 24 hrs:98'. Deviation Survey:6°4991. Drilling. Rig Service Check BOP's. Survey. [REDACTED]

Day 29-7/21/97-Present Operations:Drilling. Current Depth:5165'. Drilled in 24 hrs:72'. Total rotating hrs:336.5. Rig service . Check BOP's . [REDACTED]

Day 30-7/22/97-Present Operations:Prepare to trip out. Current Depth:5232'. Drilled in 24 hrs:70'. Drilled in 4942' out 5232' with 8 3/4" bit9 Smith F-45 SN LM 2624. [REDACTED]

Day 31-7/23/97-Present Operations-Drilling. Current Depth:5267'. Drilled in 24 hrs:35. Pump pill & drop survey. Trip out for new bit. Lay down motor& shock sub. Pickup bit & bitsub. Clean sand trap .Rig Service. Trip in hole. Rig service work hydril. Wireline survey 2 1/4 ° @ 5200. Drilling. [REDACTED]

Day 32-7/24/97-Present Operations-Drilling. Current Depth:5341'. Drilled in 24 hrs:74'. Total rotating hrs:399. Rig Service. -Work BOP.Drill. Note: Mud logger has computer problems. No mud log today. [REDACTED]

Day 33-7/25/97-Present Operations-Drilling. Current Depth:5411'. Drilled in 24 hrs:70'. Rig Service. Drilling. Total rotating hrs:422. [REDACTED]

Day 34-7/26/97-Present Operations:Drilling. Current Depth:5500'. Drilled in 24 hrs: 89'. Total rotating hrs:445. Rig service. [REDACTED]

DAILY WELL REPORT

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CARBON COUNTY, UTAH
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API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

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Day 35-7/27/97-Present Operations: Drilling. Current Depth:5584'. Drilled in 24 hrs: 84'. Drilled in 5232' to 5518' with 8 3/4" Smith F-35 SN LJ7942 bit 10. Total rotating hrs:461. Rig service. Pump pill drop survey. Pull out of hole. Change bit pickup mud motor. Trip in hole. Wash 39' to bottom. Drill 551P 5521. Rig service. Check BOP's. [REDACTED]
[REDACTED]

Day 36-7/28/97-Present Operations:Drilling. Current Depth:5717'. Drilled in 24 hrs:133. Deviation Survey: 3/4 ° 5518. Rig Service. Repair air line to #2 pump throttle. Rig service. Check BOP. [REDACTED]
[REDACTED]

Day 37-7/29/97-Present Operations:Rig Service. Current Depth:5834'. Drilled in 24 hrs:117. Total rotating hrs: 506 1/2. Rig service grease crown & block. Rig service. [REDACTED]
[REDACTED]

Day 38-7/30/97-Present Operations:Drilling. Current Depth:5958'. Drilled in 24 hrs:124. Total rotating hrs:506 1/2. [REDACTED]
[REDACTED]

Day 39-7/31/97-Present Operations:Drilling.Prepare to trip. Total rotating hrs:529 1/2. Rig Service. [REDACTED]
[REDACTED]

Day 40-8/1/97-Present Operations:Drilling. Current Depth:6187'. Drilling in 24 hrs:89'. Drilled in 5518' out 6098' with 8 3/4" Hughes ATJ 33 SN-J30XG 3/14. Total Rotating hrs:544. Deviation Survey: 3/4°@ 6098'. Pump pill & drop survey. Trip out for bit. Change bit-work BOP's. Rig service. Trip in hole. Wash & ream 60' to bottom. Rig service.Drilling. [REDACTED]
[REDACTED]

Day 41-8/2/97-Present Operations:Drilling. Current Depth:6357'. Drilled in 24 hrs:170'. Total rotating hrs:567. Rig Service, Check BOP's. BOP drill. [REDACTED]
[REDACTED]

Day 42-8/3/97-Present Operations:Drilling. Current Depth:6546'. Total rotating hrs:590'. Rig Service. Drilling. [REDACTED]
[REDACTED]

DAILY WELL REPORT

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NE/NW, Sec.16,T14S,R9E
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API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 7

Day 43-8/4/97-Present Operations:Drilling. Current Depth:6740'. Total rotating hrs:613. Rig service work Hydril & pipe rams. Drilling. [REDACTED]

Day 44-8/5/97-Present Operations:Drilling. Prepare to trip for bit. Total rotating hrs:635 1/2. Drilled in 24 hrs:153. Current Depth:6893'. Rig service. Work hydril. Drilling. Change packing in #2 pump. [REDACTED]

Day 45-8/6/97-Present Operations:Drilling. Current Depth:6953'. Drilled in 24 hrs:60'. Total rotating hrs:645 1/2. Drill. Prepare to trip. Pump pill & drop survey 3/4" @6893'. Trip out of hole, lay down mud motor, pick up new mud motor. Work blind rams. Check BHA. Lay down 1 cracked D.C. & 1 cracked saver sub & 1 bent joint drill pipe. Trip in hole. Unload module Omega pump. Install new fluid end (omega pump). Trip in hole. Break circulation @4000'. Trip in hole. Wash & ream 60' to bottom. [REDACTED]

Day 46-8/7/97-Present Operations:Stagging in hole to re-gain circulation. Current Depth:7024'. Drill. Rig service-work hydril. Lost full return. Pull out of hole to 1000' pump LCM down backside. Fill casing w/LCM mud. Hole full of mud. Est.loss mud-588 bbls. Kept hole full. Build mud volume. POOH Lay down mud motor & change jets to 16's. Trip in to 2000'. Trip out. Unplug crow foot & bottom D.C.-stagging back in hole. [REDACTED]

Day 47-8/8/97-Present Operations: Drilling. Current Depth:7080'. Total rotating hrs:662. Unplug float sub & drill collar & rig service-Work blind ran. Trip in hole. Break circulation every 10 stds. Circulate LCM @ 4595'. Trip in hole Circulate & condition. Circulate max 9000 units w/2% CO2. Trip in hole. Circulate & condition mud out 9.8 back to 9.1. [REDACTED]

Day 48-8/9/97-Present Operations:Drilling. Current Depth:7204'. Total rotating hrs:685. Rig service-Work hydril & pipe rams. [REDACTED]

Day 49-8/10/97-Present Operations:Drilling. Current Depth:7358'. Total rotating hrs:708. Drilling. Rig service Work pipe rams check crown-omatic. Rig service. [REDACTED]

DAILY WELL REPORT

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DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 8

Day 50-8/13/97-Present Operations: Staggering back in hole. Current Depth: 7367'. Drilling fluid: F.W. Gel. Drilled in 6898' out 7367' with 8 3/4" Smith F-3H, SN-LN 3189 3/16. Total Rotating Hrs: 709 1/2. Lost Returns @ 9:30 a.m. Pulled drill pipe to 1102' (pulled tight). Clean pit & build volume-pits empty. Build volume circulate & condition>Returns. Circulate/fill hole. Circulate out gas cut mud. [REDACTED]

Day 51-8/12/97-Present Operations: Drill @ 7442'. Current Depth: 7442'. Total rotating hrs: 728 1/2. Trip in- break circulation every 1200'. Circulate out gas (heavy rain). Trip in. circulate out gas-wash to bottom. Drill. Rig Service-Work hydri. [REDACTED]

Day 52-8/13/97-Present Operations: Drilling. Current Depth: 7530'. Total rotating hrs: 752. Drilling. Rig Service. [REDACTED]

Day 53-8/14/97-Present Operations: POOH-Lost circulation. Current Depth: 7598'. Drilled in 24 hrs: 68. Total rotating hrs: 773 1/2. T.D. Time & Date: 5:30 a.m. 8/14/97. Rig service. Drilling. Pump repair. POOH 10 stds-lost full returns. Pump pill. POOH to casing & build volume. [REDACTED]

Day 54-8/15/97-Present Operations: Mixing LCM pill. Current Depth: 7598'. Total rotating hrs: 709 1/2. Pump 2-50 bbl LCM pills-No returns. POOH to csg. Build mud volume. Circulate & condition. Trip in SLC to bottom-break circulation every 10 stds. Lost returns on bottom. Pull 10 stds. Mix & pump 1-50 bbl. Heavy LCM pill-mixing another. [REDACTED]

Day 55-8/16/97-Current Depth: 7598'. Total rotating hrs: 709 1/2. Present Operations: Pull out of hole to log. Drilled in 7367' to 7698' with 8 3/4" Smith F-4 SN-LN2755 bit 14. Mix LCM pills & pump. Build volume & condition mud, establish circulation. Repair pump, trip in to 7646'. Wash 52' to bottom. Circulate & condition to log. Circulate & condition to log. Drop survey & trip out to log. [REDACTED]

DAILY WELL REPORT

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DRILLING CONTRACTOR: Caza Drilling Rig #59

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Day 56-8/17/97-Current Depth:7598'. Total Rotating Hrs: 709 ½. Present Operations: Condition & circulate. 7:00a.m. to 7:00 a.m. Trip out to log. Rig up Schlumberger. Log (platform express & DI-Pole Service). Rig down Schlumberger. Trip in hole. Condition & circulate. Wait for lay down machine.
[REDACTED]

Day 57-8/18/97-Current Depth:7598'. Total Rotating hrs:709 ½. Present Operations: Pull plugged casing out of hole.7:00 a.m. to 7:00 a.m. Circulate & condition. Rig up lay down machine. Lay down drill pipe. Lay down BHA. Rig up casing crew. Run csg. 7" 23#/ft. 49 jts. Filled up @21jts, filled up @49jts. Casing plugged. Attempted to pump through up to 2000 psi. Laying down casing -Wet string.
[REDACTED]

Day 58-8/19/97-Current Depth:7598'. Total Rotating hrs:709 ½. Present Operations: Run 7" production casing.7:00 a.m. to 7:00 a.m. Lay down csg. Float collar plugged with LCM. Change out tools-build mud-insert float installed. Run 7" casing fill & circulate every 25 jnts. [REDACTED]
[REDACTED]

Day 59-8/20/97-Current Depth:7598'. Total rotating hrs:709 ½. Present Operations: Cementing final stage.7:00 a.m. to 7:00 a.m. Finish running casing 7" 26# /ft J-55 Set @7596' - pipe stuck on bottom. No returns while pumping. Build mud volume. 1st stage cement job (see cement report) Build mud volume, wait for 1st stage cement to set. 2nd stage cement job. Fill mud tank wait for 2nd stage cement to set. Prepare for 3rd stage cement job. Note: Cement report & casing description to follow @ completion of job. Production Casing: Set 186 jnts @ 7585' GL 7" 26# / ft J-55 Ran 7606.42' - 21.42' cut off jnt. = 7585' GL.
[REDACTED]

Day 60-8/21/97-Current Depth: 7598'. Total rotating hrs: 709 1/2. Present Operations: Rig Released-Moving Rig. 7a.m to 7a.m.-Waiting on cement. Cement 3rd stage. Drop slips, cut off casing, nipple down BOP's. Clean mud tanks. RIG RELEASED @ 7p.m 8/20/97. [REDACTED]
[REDACTED]

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

PHONE CONVERSATION DOCUMENTATION FORM

☒ This is the original form ☒ or a copy ☐

☒ Route this form to:

☒ WELL FILE Fausett D-5

☐ SUSPENSE

☐ OTHER

Return date _____

To: initials _____

Section 16 Township 14S Range 9E

API number 43-007-30351

Date of phone call: 9-2-97

Time: 3:40 p.m.

DOGM employee (name) John Baza

Initiated call? ☒

Spoke with:

Name Mike Farrans

Initiated call? ☐

of (company/organization) River Gas Corp.

Phone no. (205) 759-3282

Topic of conversation: Remedial cementing of D-5 well.

Highlights of conversation: Mr. Farrans explained the situation of the cement job on the 7" casing in the well. They have good cement over the top of the Navajo and good cement at surface down to 500'. They lack cement bond in-between (approx. 500' - 5100'). I asked him whether there were porous zones below the Ferron Sand and he admitted that there were a few. He felt their cementing was adequate, but I expressed concern over potential gas migration from the producing Ferron interval into other porous zones. I told him that ~~we~~ I wanted a good seal across the Ferron to be able to use this well - recognizing that it would complicate their UIC application if they needed to perforate and squeeze cement. He said they would proceed to attempt a squeeze job on the Ferron interval.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
WORKOVER AND COMPLETION RECORD

OPERATOR: RIVER GAS CORP. COMPANY REP: L. G. MOSLEY

WELL NAME: FAUSETT D-5 API #: 43-007-30351

SECTION: 16 TWP: 14S RANGE: 9E COUNTY: CARBON

TYPE OF WELL: OIL: GAS: WATER INJECTION: YES

STATUS PRIOR TO WORKOVER: DRILLING

INSPECTOR: JLT TIME: 11:30 AM DATE: 9/3/97

REASON FOR WORKOVER: COMPLETING AS A SWD WELL.

CHANGE OF LIFT SYSTEM: PUMP CHANGE: PARTED RODS:

CASING OR LINER REPAIR: ACIDIZE: RECOMPLETION: X

TUBING CHANGE: WELLBORE CLEANOUT: WELL DEEPENED:

ENHANCED RECOVERY: THIEF ZONE: CHANGE ZONE:

ENVIRONMENTAL/DISPOSITION OF FLUIDS USED:

PIT: LINED: X UNLINED: FRAC TANK: N/A BOPE: X H2S PRESENT: NO

OPERATIONS AT THE TIME OF INSPECTION: TRIPPING BACK IN HOLE TO
PUMP CEMENT THROUGH CEMENT RETAINER.

REMARKS:

8/30/97-PUMPED 750 SX DOWN BACK SIDE-LOST ALL THE CEMENT. LOGGED
WELL. OPEN HOLE FROM 585' TO 5100'. PERFORATED 7" CSG @ 2618' 4
HOLES PER FOOT. RE SHOT @ 2988' 4 HOLES PER FOOT. SET RETAINER @
2860'. WILL PUMP 144 CU/FT OF CEMENT THROUGH RETAINER. APPROX
400' OF CEMENT.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well

Footages:

467' FNL & 1461' FWL

QQ, Sec., T., R., M.: NE/NW, SEC. 16, T14S, R09E, SLB&M

5. Lease Designation and Serial Number:

PATENTED LAND

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Fausett D5

9. API Well Number:

43-007-30351

10. Field or Pool, or Wildcat:

Drunkard's Wash

County: CARBON

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Weekly Report</u> | |

Date of work completion _____

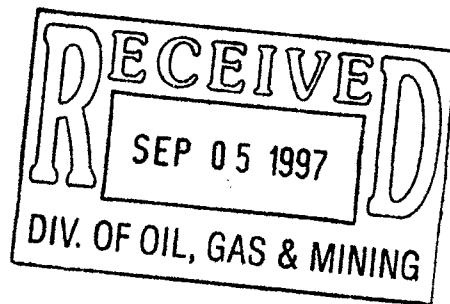
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED

CONFIDENTIAL



13.

Name & Signature: Steven L. Prince

Title: Regulatory Manager

Date: 8/29/97

(This space for state use only)

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Ross Drilling Co.

PAGE 1

Day 1-6/23/97-Present Operations-Drilled conductor hole. Spud Date:6/22/97 12:00 p.m. Drilled in 24 hrs: 0. Moved in Rig. Drilled conductor hole to 18'-set 18' of 14" conductor. Conductor bore hole 16"- from 0 to 18 with 14 P.E. Set @ 18'. [REDACTED]

Day 2-6/24/97-Present Operations-Waiting for air package. Depth 18'. Drilled in 24 hrs: 0. Cemented conductor pipe w/ready mix & moved Frac tank to location. [REDACTED]

Day 3-6/25/97-Present Operations-Drilling. Current Depth:188'. Drilled in 24 hrs:170'. Moved in air package,rigged up air. Started drilling 18'-188'. Burned up starter on air. [REDACTED]

Day 4-6/26/97-Present Operations-Repair Rig. Current Depth 390'. Drilled in 24 hrs:202'. Drilling & repair rig. [REDACTED]

Day 5-6/27/97-Present Operations-Wait for Additional Air. Current Depth:420'. Drilled in 24 hrs:30'. Drilled in 18' out 390' with 12 1/2" RR tri-cone bit. Drill to 420'. Pulled trying to clean out hole. [REDACTED]

Day 6- 6/28/97-Present Operations-Drilling. Current Depth:475'. Drilled in 24 hrs:55'. Pull out of hole to work on equipment. Put float in string go in hole. [REDACTED]

Day 7-6/29/97-Present Operations-Drilling. Current Depth:550'. Drilled in 24 hrs:75'. Clean out hole, repair equipment, drill to 550'. [REDACTED]

Day 8-6/30/97-Present Operations: Drilling. Current Depth:625'. Drilled in 24 hrs:75'. Rig repair-wait on parts. [REDACTED]

Day 9-7/1/97-Present Operations:Drilling. Current Depth:750'. Drilled in 24 hr 155'. Drilling. Avg. rate of penetration 7.75'/hr. [REDACTED]

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PAGE 2

Day 10-7/2/97-Present Operations: Prepare to dig cellar. Set starting gear. Drilled in 24 hrs: 160'. Avg. rate of penetration 18'/hr. Run 921.21' of 9 5/8" 36#/ft J-55 Surface casing & cement. Drill rat & mouse hole. Set 20 jnts with 12 1/2" from 18 to 940. Surface Csg. -9 5/8" 36#/ft J 55 50/50 POZ + 6% D-20 1/4 #/sk D-28 G + 2% S-1+1/4 #/sk D-28 320 sks. [REDACTED]

Day 11-7/3/97-Present Operations-Rigging up Caza Rig #59. Current Depth: 921'. Drilled in 24 hrs: 0. Dig cellar. Drill with airhammer. Set cellar. Cut casing & weld on 9 5/8" sow 5000. Startin head & test. All of caza rig #59 is moving to location for rig up 7/3/97. [REDACTED]

Day 12- 7/4/97-Present Operations-Prepare to drill out. Current Depth: 921'. Drilled in 24 hrs: 0. Drilling fluid: Air. Wt./Press. 300-400. Scf. 1800-2000. Rig up & nipple up BOP's. Dig rat & mouse hole, set flowline in place. Rig up testers. Test BOP's & manifold. Casing & Kelly. Lay blooie line & install rotating head. Prepare to go in hole. Pick up collars & heavy wt drill pipe (OD-10-strap). Bit-a-bit-sub-hammer-(16-D.C.)-(20-HW)= 1136.35. [REDACTED]

Day 13-7/5/97-Present Operations-Prepare for Survey. Current Depth: 2009'. Drilled in 24 hrs: 0. Deviation Survey: 1 1/4 @ 895'. 1/4 @ 1542'. Pickup heavy wt. drill pipe. Rig up rotating head-blow hole dry (surface casing water). Repair leaks. Drill cement. Survey. Drill. [REDACTED]

Day 14-7/6/97-Present Operations-Building mud weight(kill procedures). Current Depth: 2742'. Drilled in 24 hrs: 0. Drilling fluid: F.W. gel. Wt/Press: 9.5 vis 42. Drilled in 920' out 2742' with 8 3/4 Halco hammer in 24 hrs. Total rotating hrs: 33. Deviation Survey: 2 @ 2497. 1 1/4 @ 1969. Drilling. Survey. Watered out. Circulate w/air. Clean hole. Set kelly back POOH w/hammer. Well coming in-gas-5 stds out. Well on choke max pressure. Flowing pressure. Build mud volume and weight. [REDACTED]

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PAGE 3

Day 15-7/7/97-Present Operations-Drilling. Current Depth:2898'. Drilling in 24 hrs:0.Drilling fluid:F.W. gel. Wt./Press. 1300 9.8+ vis 45. Scf. 60/96-35/40-1000psi #1.60/65- 35/40-1350psi #2. Total rotating hrs:44 ½. Mix & condition (kill well annulars 400 psi). Trip out with hammer. Check BOP's. Lay down hammer & bit assembly. Pickup mud motor & trip in with new assembly. Wash to bottom 55'. Circulate bottoms up-circulate gas out. Drilling. Lost #1 pump (discharge valves & seats). [REDACTED]

Day 16-7/8/97-Present Operations:Drilling. Current Depth:3147'. Drilled in 24 hrs:249'.Drilling fluid:F.W. gel. Wt./Press:SN-LB 316.Hugh J-55. Scf:9.8#/gal 52 vis 4 fluid loss PH.9.0. Drilled in 2742' with 8 ¾ Hugh J-44 in 24 hrs. Deviation Survey 2 ¼ @3013. Drilling. Survey. (Possible error-may have been moving). [REDACTED]

Day 17-7/9/97-Present Operations:Drilling. Current Depth:3435'Drilled in 24 hrs.295'. Drilling fluid:F.W. Gel. Wt./Press. 9.6 52 vis 4 F.L. Scf:9.0 PH. Total rotating hrs:91. [REDACTED]

Day 18-7/10/97-Present Operations:Drilling. Current Depth:3607'. Drilling fluid: F.W. Gel LSND. Wt./Press: 9.4 47 vis 9.0 PH. Scf. 5 WL. Drilled in 2742' out 3475' in 5 ½ hrs with 8 ¾" Hugh SN-LB316 3/16. Drilled in 3475' with 8 ¾" Smith LM 3350 3/16 F-4. Total rotating hrs: 109 Deviation 3 ¼ @ 3442'. Pill & drop survey. Trip out for new bit. Change bit & BHA work blind rams. Trip in hole w/ new BHA. Wash to bottom. No fill no torque. Start drilling. Rig service. BHA:1 bit-1.00'-1 mud motor-22.50'-1 shock sub-8.72 - 1 float sub-2.10-16 D.C 471.28 - 20 HWDP 615.13=1120.73'. [REDACTED]

Day 19-7/11/97-Present Operations:Drilling. Current Depth:3875'. Drilling fluid: F.W. gel. LSNO. Total rotating hrs:132. [REDACTED]

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DRILLING CONTRACTOR: Caza Drilling Rig #59

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Day 20- 7/12/97-Present Operations:Drilling. Current Depth:4110'. Drilled in 24 hrs: 235'. Drilling fluid:F.W. Gel LSND. 9.7 vis 50 9.0 PH. 5WL.Drilled in 3475' with 8 3/4" Smith F-4 LM3350 3116. Total rotating hrs:155. Deviation Survey:4°@1974'. Drilling. Rig service Hydril & pipe rams (worked), Rig service & survey. [REDACTED]

Day 21-7/13/97-Present Operation:Drilling. Current Depth:4190'. Drilled in 24 hrs:80'.Drilling. Rig service. Circulate up sample,mix & pump pill. Trip out for bit. Change & dress bit #7 w 3/16 sets. Trip in hole. Ream 60'circulate build vis to 60 c.p. Lay down 16 jts. (8stands)Trip in 6 stands from Derrick. Wash & ream to bottom. [REDACTED]

Day 22-7/14/97-Present Operations:Drilling. Current Depth:4420'. Drilled in 24 hrs:230'. Drilled in 4156' with 8 3/4"Security ERA33 SN-699143 in 24 hrs. Drilling. Rig service. Check BOP's. [REDACTED]

Day 23-7/15/97-Present Operations:Drilling. Current Depth:4510'. Rig service work hydril. Pump pill & drop survey. Lay down 1 jt DP & trip out. Lay down old mud motor. Wait on new mud motor. Service Rig. Wait on new mud motor. Trip in hole w/new bit. Wash down 30' to bottom. [REDACTED]

Day 24-7/16/97-Present Operations:Drilling. Current Depth:4655'. Rig service. Drilling. [REDACTED]

Day 25-7/17/97- Present Operations:Drilling-Still in Morrison Formation. Current Depth:4787. Drilled in 24 hrs:132. Rig Service & Check BOP. [REDACTED]

Day 26-7/18/97-Present Operations:Drilling. Rig Service. Current Depth:4919'. Drilled in 24 hrs:132' [REDACTED]

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Day 27-7/19/97-Present Operations:Drilling. Current Depth:4995'. Drilled in 24 hrs: 0'. Drilled in 4480' to 4942' with 8 3/4" Smith F-4 S/N LM 6871 3/16, Total rotating hrs:290. Drilling. Pump pill trip for new pit. Rig service. Dress bit #9 Smith 8 3/4" F-47H 3/15 SN LM 2624 & Trip n hole. Trip in hole -no fill.
[REDACTED]

Day 28-7/20/97-Present Operations:Drilling. Current Depth:5093'. Drilled in 24 hrs:98'. Deviation Survey:6°4991. Drilling. Rig Service Check BOP's. Survey. [REDACTED]

Day 29-7/21/97-Present Operations:Drilling. Current Depth:5165'. Drilled in 24 hrs:72'. Total rotating hrs:336.5. Rig service. Check BOP's. [REDACTED]

Day 30-7/22/97-Present Operations:Prepare to trip out. Current Depth:5232'. Drilled in 24 hrs:70'. Drilled in 4942' out 5232' with 8 3/4" bit9 Smith F-45 SN LM 2624. [REDACTED]

Day 31-7/23/97-Present Operations-Drilling. Current Depth:5267'. Drilled in 24 hrs:35. Pump pill & drop survey. Trip out for new bit. Lay down motor& shock sub. Pickup bit & bitsub. Clean sand trap .Rig Service. Trip in hole. Rig service work hydril. Wireline survey 2 1/4 ° @ 5200. Drilling. [REDACTED]

Day 32-7/24/97-Present Operations-Drilling. Current Depth:5341'. Drilled in 24 hrs:74'. Total rotating hrs:399. Rig Service. -Work BOP.Drill. Note: Mud logger has computer problems. No mud log today. [REDACTED]

Day 33-7/25/97-Present Operations-Drilling. Current Depth:5411'. Drilled in 24 hrs:70'. Rig Service. Drilling. Total rotating hrs:422. [REDACTED]

Day 34-7/26/97-Present Operations:Drilling. Current Depth:5500'. Drilled in 24 hrs: 89'. Total rotating hrs:445. Rig service. [REDACTED]

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DRILLING CONTRACTOR: Caza Drilling Rig #59

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Day 35-7/27/97-Present Operations: Drilling. Current Depth:5584'. Drilled in 24 hrs: 84'. Drilled in 5232' to 5518' with 8 3/4" Smith F-35 SN LJ7942 bit 10. Total rotating hrs:461. Rig service. Pump pill drop survey. Pull out of hole. Change bit pickup mud motor. Trip in hole. Wash 39' to bottom. Drill 551P 5521. Rig service. Check BOP's. [REDACTED]
[REDACTED]

Day 36-7/28/97-Present Operations:Drilling. Current Depth:5717'. Drilled in 24 hrs:133. Deviation Survey: 3/4 ° 5518. Rig Service. Repair air line to #2 pump throttle. Rig service. Check BOP. [REDACTED]
[REDACTED]

Day 37-7/29/97-Present Operations:Rig Service. Current Depth:5834'. Drilled in 24 hrs:117. Total rotating hrs: 506 1/2. Rig service grease crown & block. Rig service. [REDACTED]

Day 38-7/30/97-Present Operations:Drilling. Current Depth:5958'. Drilled in 24 hrs:124. Total rotating hrs:506 1/2. [REDACTED]
[REDACTED]

Day 39-7/31/97-Present Operations:Drilling.Prepare to trip. Total rotating hrs:529 1/2. Rig Service. [REDACTED]
[REDACTED]

Day 40-8/1/97-Present Operations:Drilling. Current Depth:6187'. Drilling in 24 hrs:89'. Drilled in 5518' out 6098' with 8 3/4" Hughes ATJ 33 SN-J30XG 3/14. Total Rotating hrs:544. Deviation Survey: 3/4°@ 6098'. Pump pill & drop survey. Trip out for bit. Change bit-work BOP's. Rig service. Trip in hole. Wash & ream 60' to bottom. Rig service.Drilling. [REDACTED]
[REDACTED]

Day 41-8/2/97-Present Operations:Drilling. Current Depth:6357'. Drilled in 24 hrs:170'. Total rotating hrs:567. Rig Service, Check BOP's. BOP drill. [REDACTED]
[REDACTED]

Day 42-8/3/97-Present Operations:Drilling. Current Depth:6546'. Total rotating hrs:590'. Rig Service. Drilling. [REDACTED]
[REDACTED]

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Day 43-8/4/97-Present Operations:Drilling. Current Depth:6740'. Total rotating hrs:613. Rig service work Hydril & pipe rams. Drilling. [REDACTED]

Day 44-8/5/97-Present Operations:Drilling. Prepare to trip for bit. Total rotating hrs:635 1/2. Drilled in 24 hrs:153. Current Depth:6893'. Rig service. Work hydril. Drilling. Change packing in #2 pump. [REDACTED]

Day 45-8/6/97-Present Operations:Drilling. Current Depth:6953'. Drilled in 24 hrs:60'. Total rotating hrs:645 1/2. Drill. Prepare to trip. Pump pill & drop survey 3/4" @6893'. Trip out of hole, lay down mud motor, pick up new mud motor. Work blind rams. Check BHA. Lay down 1 cracked D.C. & 1 cracked saver sub & 1 bent joint drill pipe. Trip in hole. Unload module Omega pump. Install new fluid end (omega pump). Trip in hole. Break circulation @4000'. Trip in hole. Wash & ream 60' to bottom. [REDACTED]

Day 46-8/7/97-Present Operations:Stagging in hole to re-gain circulation. Current Depth:7024'. Drill. Rig service-work hydril. Lost full return. Pull out of hole to 1000' pump LCM down backside. Fill casing w/LCM mud. Hole full of mud. Est.loss mud-588 bbls. Kept hole full. Build mud volume. POOH Lay down mud motor & change jets to 16's. Trip in to 2000'. Trip out. Unplug crow foot & bottom D.C.-stagging back in hole. [REDACTED]

Day 47-8/8/97-Present Operations: Drilling. Current Depth:7080'. Total rotating hrs:662. Unplug float sub & drill collar & rig service-Work blind ran. Trip in hole. Break circulation every 10 stds. Circulate LCM @ 4595'. Trip in hole Circulate & condition. Circulate max 9000 units w/2% CO2. Trip in hole. Circulate & condition mud out 9.8 back to 9.1. [REDACTED]

Day 48-8/9/97-Present Operations:Drilling. Current Depth:7204'. Total rotating hrs:685. Rig service-Work hydril & pipe rams. [REDACTED]

Day 49-8/10/97-Present Operations:Drilling. Current Depth:7358'. Total rotating hrs:708. Drilling. Rig service Work pipe rams check crown-omatic. Rig service. [REDACTED]

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Day 50-8/13/97-Present Operations: Staging back in hole. Current Depth: 7367'. Drilling fluid: F.W. Gel. Drilled in 6898' out 7367' with 8 3/4" Smith F-3H, SN-LN 3189 3/16. Total Rotating Hrs: 709 1/2. Lost Returns @ 9:30 a.m. Pulled drill pipe to 1102' (pulled tight). Clean pit & build volume-pits empty. Build volume circulate & condition>Returns. Circulate/fill hole. Circulate out gas cut mud. [REDACTED]

Day 51-8/12/97-Present Operations: Drill @ 7442'. Current Depth: 7442'. Total rotating hrs: 728 1/2. Trip in- break circulation every 1200'. Circulate out gas (heavy rain). Trip in. circulate out gas-wash to bottom. Drill. Rig Service-Work hydril. [REDACTED]

Day 52-8/13/97-Present Operations: Drilling. Current Depth: 7530'. Total rotating hrs: 752. Drilling Rig Service. [REDACTED]

Day 53-8/14/97-Present Operations: POOH-Lost circulation. Current Depth: 7598'. Drilled in 24 hrs: 68. Total rotating hrs: 773 1/2. T.D. Time & Date: 5:30 a.m. 8/14/97. Rig service. Drilling. Pump repair. POOH 10 stds-lost full returns. Pump pill. POOH to casing & build volume. [REDACTED]

Day 54-8/15/97-Present Operations: Mixing LCM pill. Current Depth: 7598'. Total rotating hrs: 709 1/2. Pump 2-50 bbl LCM pills-No returns. POOH to csg. Build mud volume. Circulate & condition. Trip in SLC to bottom-break circulation every 10 stds. Lost returns on bottom. Pull 10 stds. Mix & pump 1-50 bbl. Heavy LCM pill-mixing another. [REDACTED]

Day 55-8/16/97-Current Depth: 7598'. Total rotating hrs: 709 1/2. Present Operations: Pull out of hole to log. Drilled in 7367' to 7698' with 8 3/4" Smith F-4 SN-LN2755 bit 14. Mix LCM pills & pump. Build volume & condition mud, establish circulation. Repair pump, trip in to 7646'. Wash 52' to bottom. Circulate & condition to log. Circulate & condition to log. Drop survey & trip out to log. [REDACTED]

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Day 56-8/17/97-Current Depth:7598'. Total Rotating Hrs: 709 ½. Present Operations: Condition & circulate. 7:00a.m. to 7:00 a.m. Trip out to log. Rig up Schlumberger. Log (platform express & DI-Pole Service). Rig down Schlumberger. Trip in hole. Condition & circulate. Wait for lay down machine.
[REDACTED]

Day 57-8/18/97-Current Depth:7598'. Total Rotating hrs:709 ½. Present Operations: Pull plugged casing out of hole. 7:00 a.m. to 7:00 a.m. Circulate & condition. Rig up lay down machine. Lay down drill pipe. Lay down BHA. Rig up casing crew. Run csg. 7" 23#/ft. 49 jts. Filled up @21jts, filled up @49jts. Casing plugged. Attempted to pump through up to 2000 psi. Laying down casing -Wet string.
[REDACTED]

Day 58-8/19/97-Current Depth:7598'. Total Rotating hrs:709 ½. Present Operations: Run 7" production casing. 7:00 a.m. to 7:00 a.m. Lay down csg. Float collar plugged with LCM. Change out tools-build mud-insert float installed. Run 7" casing fill & circulate every 25 jnts. [REDACTED]
[REDACTED]

Day 59-8/20/97-Current Depth:7598'. Total rotating hrs:709 ½. Present Operations: Cementing final stage. 7:00 a.m. to 7:00 a.m. Finish running casing 7" 26# /ft J-55 Set @7596' - pipe stuck on bottom. No returns while pumping. Build mud volume. 1st stage cement job (see cement report) Build mud volume, wait for 1st stage cement to set. 2nd stage cement job. Fill mud tank wait for 2nd stage cement to set. Prepare for 3rd stage cement job. Note: Cement report & casing description to follow @ completion of job. Production Casing: Set 186 jnts @ 7585' GL 7" 26# / ft J-55 Ran 7606.42' - 21.42' cut off jnt. = 7585' GL.
[REDACTED]

Day 60-8/21/97-Current Depth: 7598'. Total rotating hrs: 709 1/2. Present Operations: Rig Released-Moving Rig. 7a.m to 7a.m.-Waiting on cement. Cement 3rd stage. Drop slips, cut off casing, nipple down BOP's. Clean mud tanks. RIG RELEASED @ 7p.m 8/20/97. [REDACTED]
[REDACTED]

8-23-97- Summary of Operations: 8/22/97 Set tubing head by Marta-Co. & test to 3000 psi (collapse). Move workover. Service rig on location (Flint Engineering). Build work area around rig- very soft (Nelco). Unload drill collars & handling tools (Weatherford). Rig up service rig. Move & set up

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8/23/97 Cont.
pump & tank. Clean up tank, pickup 6 1/8" mill 6 D.C. & 85 jts of 2 7/8" tubing & go in the hole to 2815'. SWIFN. 8/21/97-Move Caza Rig #59 off location.

~~CONFIDENTIAL - COMPLETION GUARANTEED~~

[REDACTED]

DIVISION OF OIL, GAS AND MINING

ORIGINAL

SUNDRY NOTICES AND REPORTS ON WELLS

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River Gas Corporation

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1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well

Footages:

467' FNL & 1461' FWLQQ, Sec., T., R., M.: NE/NW, SEC. 16, T14S, R09E, SLB&M

5. Lease Designation and Serial Number:

PATENTED LAND

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Fausett D5

9. API Well Number:

43-007-30351

10. Field or Pool, or Wildcat:

Drunkard's WashCounty: CARBONState: UTAH11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****NOTICE OF INTENT**
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Weekly Report</u> | |

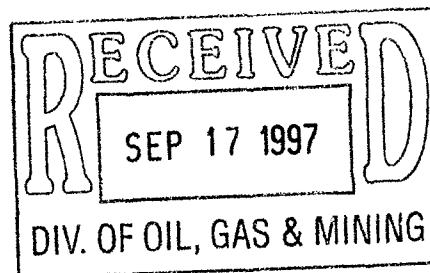
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED

CONFIDENTIAL

13.

Name & Signature: Laurie TryonTitle: Administrative AssistantDate: 9/19/97

(This space for state use only)

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Ross Drilling Co.

PAGE 1

Day 1-6/23/97-Present Operations-Drilled conductor hole. Spud Date:6/22/97 12:00 p.m. Drilled in 24 hrs: 0. Moved in Rig. Drilled conductor hole to 18'-set 18' of 14" conductor. Conductor bore hole 16"- from 0 to 18 with 14 P.E. Set @ 18'. [REDACTED]

Day 2-6/24/97-Present Operations-Waiting for air package. Depth 18'. Drilled in 24 hrs: 0. Cemented conductor pipe w/ready mix & moved Frac tank to location. [REDACTED]

Day 3-6/25/97-Present Operations-Drilling. Current Depth:188'. Drilled in 24 hrs:170'. Moved in air package,rigged up air. Started drilling 18'-188'. Burned up starter on air. [REDACTED]

Day 4-6/26/97-Present Operations-Repair Rig. Current Depth 390'. Drilled in 24 hrs:202'. Drilling & repair rig [REDACTED]

Day 5-6/27/97-Present Operations-Wait for Additional Air. Current Depth:420'. Drilled in 24 hrs:30'. Drilled in 18' out 390' with 12 1/2" RR tri-cone bit. Drill to 420'. Pulled trying to clean out hole. [REDACTED]

Day 6-6/28/97-Present Operations-Drilling. Current Depth:475'. Drilled in 24 hrs:55'. Pull out of hole to work on equipment. Put float in string go in hole. [REDACTED]

Day 7-6/29/97-Present Operations-Drilling. Current Depth:550'. Drilled in 24 hrs:75'. Clean out hole, repair equipment, drill to 550'. [REDACTED]

Day 8-6/30/97-Present Operations: Drilling. Current Depth:625'. Drilled in 24 hrs:75'. Rig repair-wait on parts. [REDACTED]

Day 9-7/1/97-Present Operations:Drilling. Current Depth:750'. Drilled in 24 hr 155'. Drilling. Avg. rate of penetration 7.75'/hr. [REDACTED]

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DRILLING CONTRACTOR: Caza Drilling Rig #59

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Day 15-7/7/97-Present Operations-Drilling. Current Depth:2898'. Drilling in 24 hrs:0.Drilling fluid:F.W. gel. Wt/Press. 1300 9.8+ vis 45. Scf. 60/96-35/40-1000psi #1.60/65- 35/40-1350psi #2. Total rotating hrs:44 1/2. Mix & condition (kill well annulas 400 psi). Trip out with hammer. Check BOP's. Lay down hammer & bit assembly. Pickup mud motor & trip in with new assembly. Wash to bottom 55'. Circulate bottoms up-circulate gas out. Drilling. Lost #1 pump (discharge valves & seats). [REDACTED]

Day 16-7/8/97-Present Operations:Drilling. Current Depth:3147'. Drilled in 24 hrs:249'.Drilling fluid:F.W. gel. Wt./Press:SN-LB 316.Hugh J-55. Scf:9.8#/gal 52 vis 4 fluid loss PH.9.0. Drilled in 2742' with 8 3/4" Hugh J-44 in 24 hrs. Deviation Survey 2 1/4 @3013. Drilling. Survey. (Possible error-may have been moving). [REDACTED]

Day 17-7/9/97-Present Operations:Drilling. Current Depth:3435'Drilled in 24 hrs.295'. Drilling fluid:F.W. Gel. Wt./Press. 9.6 52 vis 4 F.L. Scf:9.0 PH. Total rotating hrs:91. [REDACTED]

Day 18-7/10/97-Present Operations:Drilling. Current Depth:3607'. Drilling fluid: F.W. Gel LSND. Wt./Press: 9.4 47 vis 9.0 PH. Scf. 5 WL. Drilled in 2742' out 3475' in 5 1/2 hrs with 8 3/4" Hugh SN-LB316 3/16. Drilled in 3475' with 8 3/4" Smith LM 3350 3/16 F-4. Total rotating hrs: 109 Deviation 3 1/4 @ 3442'. Pill & drop survey. Trip out for new bit. Change bit & BHA work blind rams. Trip in hole w/ new BHA. Wash to bottom. No fill no torque. Start drilling. Rig service. BHA:1 bit-1.00'-1 mud motor-22.50'-1 shock sub-8.72 - 1 float sub-2.10-16 D.C 471.28 - 20 HWDP 615.13=1120.73'. [REDACTED]

Day 19-7/11/97-Present Operations:Drilling. Current Depth:3875'. Drilling fluid: F.W. gel. LSNO. Total rotating hrs:132. [REDACTED]

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Day 10-7/2/97-Present Operations: Prepare to dig cellar. Set starting gear. Drilled in 24 hrs: 160'. Avg. rate of penetration 18'/hr. Run 921.21' of 9 5/8" 36#/ft J-55 Surface casing & cement. Drill rat & mouse hole. Set 20 jnts with 12 1/2" from 18 to 940. Surface Csg.-9 5/8" 36#/ft J 55 50/50 POZ + 6% D-20 1/4 #/sk D-28 G + 2% S-1+1/4 #/sk D-28 320 sks. [REDACTED]

Day 11-7/3/97-Present Operations-Rigging up Caza Rig #59. Current Depth: 921'. Drilled in 24 hrs: 0. Dig cellar. Drill with airhammer. Set cellar. Cut casing & weld on 9 5/8" sow 5000. Start in head & test. All of caza rig #59 is moving to location for rig up 7/3/97. [REDACTED]

Day 12-7/4/97-Present Operations-Prepare to drill out. Current Depth: 921'. Drilled in 24 hrs: 0. Drilling fluid: Air. Wt./Press. 300-400. Scf. 1800-2000. Rig up & nipple up BOP's. Dig rat & mouse hole, set flowline in place. Rig up testers. Test BOP's & manifold. Casing & Kelly. Lay blooie line & install rotating head. Prepare to go in hole. Pick up collars & heavy wt drill pipe (OD-10-strap). Bit-a-bit-sub-hammer-(16-D.C.)-(20-HW)= 1136.35. [REDACTED]

Day 13-7/5/97-Present Operations-Prepare for Survey. Current Depth: 2009'. Drilled in 24 hrs: 0. Deviation Survey: 1 1/4 @ 895'. 1/4 @ 1542'. Pickup heavy wt. drill pipe. Rig up rotating head-blow hole dry (surface casing water). Repair leaks. Drill cement. Survey. Drill. [REDACTED]

Day 14-7/6/97-Present Operations-Building mud weight(kill procedures). Current Depth: 2742'. Drilled in 24 hrs: 0. Drilling fluid: F.W. gel. Wt/Press: 9.5 vis 42. Drilled in 920' out 2742' with 8 3/4 Halco hammer in 24 hrs. Total rotating hrs: 33. Deviation Survey: 2 @ 2497. 1 1/4 @ 1969. Drilling. Survey. Watered out. Circulate w/air. Clean hole. Set kelly back POOH w/hammer. Well coming in-gas-5 stds out. Well on choke max pressure. Flowing pressure. Build mud volume and weight. [REDACTED]

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Day 20- 7/12/97-Present Operations:Drilling. Current Depth:4110'. Drilled in 24 hrs: 235'. Drilling fluid:F.W. Gel LSND. 9.7 vis 50 9.0 PH. 5WL.Drilled in 3475' with 8 3/4" Smith F-4 LM3350 3116. Total rotating hrs:155. Deviation Survey:4°@1974'. Drilling. Rig service Hydril & pipe rams (worked), Rig service & survey. [REDACTED]
[REDACTED]

Day 21-7/13/97-Present Operation:Drilling. Current Depth:4190'. Drilled in 24 hrs:80'. Drilling. Rig service. Circulate up sample,mix & pump pill. Trip out for bit. Change & dress bit #7 w 3/16 sets. Trip in hole. Ream 60' circulate build vis to 60 c.p. Lay down 16 jts. (8stands)Trip in 6 stands from Derrick. Wash & ream to bottom. [REDACTED]
[REDACTED]

Day 22-7/14/97-Present Operations:Drilling. Current Depth:4420'. Drilled in 24 hrs:230'. Drilled in 4156' with 8 3/4" Security ERA33 SN-699143 in 24 hrs. Drilling. Rig service. Check BOP's. [REDACTED]
[REDACTED]

Day 23-7/15/97-Present Operations:Drilling. Current Depth:4510'. Rig service work hydril. Pump pill & drop survey. Lay down 1 jt DP & trip out. Lay down old mud motor. Wait on new mud motor. Service Rig. Wait on new mud motor. Trip in hole w/new bit. Wash down 30' to bottom. [REDACTED]
[REDACTED]

Day 24-7/16/97-Present Operations:Drilling. Current Depth:4655'. Rig service. Drilling. [REDACTED]

Day 25-7/17/97- Present Operations:Drilling-Still in Morrison Formation. Current Depth:4787. Drilled in 24 hrs:132. Rig Service & Check BOP. [REDACTED]
[REDACTED]

Day 26-7/18/97-Present Operations:Drilling. Rig Service. Current Depth:4919'. Drilled in 24 hrs:132'. [REDACTED]
[REDACTED]

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Day 27-7/19/97-Present Operations:Drilling. Current Depth:4995'. Drilled in 24 hrs: 0'. Drilled in 4480' to 4942' with 8 3/4" Smith F-4 S/N LM 6871 3/16, Total rotating hrs:290. Drilling. Pump pill trip for new pit. Rig service. Dress bit #9 Smith 8 3/4" F-47H 3/15 SN LM 2624 & Trip n hole. Trip in hole -no fill. [REDACTED]

Day 28-7/20/97-Present Operations:Drilling. Current Depth:5093'. Drilled in 24 hrs:98'. Deviation Survey:6°4991. Drilling. Rig Service Check BOP's. Survey. [REDACTED]

Day 29-7/21/97-Present Operations:Drilling. Current Depth:5165'. Drilled in 24 hrs:72'. Total rotating hrs:336.5. Rig service . Check BOP's . [REDACTED]

Day 30-7/22/97-Present Operations:Prepare to trip out. Current Depth:5232'. Drilled in 24 hrs:70'. Drilled in 4942' out 5232' with 8 3/4" bit9 Smith F-45 SN LM 2624. [REDACTED]

Day 31-7/23/97-Present Operations-Drilling. Current Depth:5267'. Drilled in 24 hrs:35. Pump pill & drop survey. Trip out for new bit. Lay down motor& shock sub. Pickup bit & bitsub. Clean sand trap .Rig Service. Trip in hole. Rig service work hydril. Wireline survey 2 1/4 ° @ 5200. Drilling. [REDACTED]

Day 32-7/24/97-Present Operations-Drilling. Current Depth:5341'. Drilled in 24 hrs:74'. Total rotating hrs:399. Rig Service. -Work BOP.Drill. Note: Mud logger has computer problems. No mud log today. [REDACTED]

Day 33-7/25/97-Present Operations-Drilling. Current Depth:5411'. Drilled in 24 hrs:70'. Rig Service. Drilling. Total rotating hrs:422. [REDACTED]

Day 34-7/26/97-Present Operations:Drilling. Current Depth:5500'. Drilled in 24 hrs: 89'. Total rotating hrs:445. Rig service. [REDACTED]

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Day 35-7/27/97-Present Operations: Drilling. Current Depth:5584'. Drilled in 24 hrs: 84'. Drilled in 5232' to 5518' with 8 3/4" Smith F-35 SN LJ7942 bit 10. Total rotating hrs:461. Rig service. Pump pill drop survey. Pull out of hole. Change bit pickup mud motor. Trip in hole. Wash 39' to bottom. Drill 551P 5521. Rig service. Check BOP's. [REDACTED]

Day 36-7/28/97-Present Operations:Drilling. Current Depth:5717'. Drilled in 24 hrs:133. Deviation Survey: 3/4 ° 5518. Rig Service. Repair air line to #2 pump throttle. Rig service. Check BOP. [REDACTED]

Day 37-7/29/97-Present Operations:Rig Service. Current Depth:5834'. Drilled in 24 hrs:117. Total rotating hrs: 506 1/2. Rig service grease crown & block. Rig service. [REDACTED]

Day 38-7/30/97-Present Operations:Drilling. Current Depth:5958'. Drilled in 24 hrs:124. Total rotating hrs:506 1/2. [REDACTED]

Day 39-7/31/97-Present Operations:Drilling.Prepare to trip. Total rotating hrs:529 1/2. Rig Service. [REDACTED]

Day 40-8/1/97-Present Operations:Drilling. Current Depth:6187'. Drilling in 24 hrs:89'. Drilled in 5518' out 6098' with 8 3/4" Hughes ATJ 33 SN-J30XG 3/14. Total Rotating hrs:544. Deviation Survey: 3/4°@ 6098'. Pump pill & drop survey. Trip out for bit. Change bit-work BOP's. Rig service. Trip in hole. Wash & ream 60' to bottom. Rig service.Drilling. [REDACTED]

Day 41-8/2/97-Present Operations:Drilling. Current Depth:6357'. Drilled in 24 hrs:170'. Total rotating hrs:567. Rig Service, Check BOP's. BOP drill. [REDACTED]

Day 42-8/3/97-Present Operations:Drilling. Current Depth:6546'. Total rotating hrs:590'. Rig Service. Drilling. [REDACTED]

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Day 43-8/4/97-Present Operations:Drilling. Current Depth:6740'. Total rotating hrs:613. Rig service work Hydril & pipe rams. Drilling. [REDACTED]

Day 44-8/5/97-Present Operations:Drilling. Prepare to trip for bit. Total rotating hrs:635 1/2. Drilled in 24 hrs:153. Current Depth:6893'. Rig service. Work hydril. Drilling. Change packing in #2 pump. [REDACTED]

Day 45-8/6/97-Present Operations:Drilling. Current Depth:6953'. Drilled in 24 hrs:60'. Total rotating hrs:645 1/2. Drill. Prepare to trip. Pump pill & drop survey 3/4" @6893'. Trip out of hole, lay down mud motor, pick up new mud motor. Work blind rams. Check BHA. Lay down 1 cracked D.C. & 1 cracked saver sub & 1 bent joint drill pipe. Trip in hole. Unload module Omega pump. Install new fluid end (omega pump). Trip in hole. Break circulation @4000'. Trip in hole. Wash & ream 60' to bottom. [REDACTED]

Day 46-8/7/97-Present Operations:Stagging in hole to re-gain circulation. Current Depth:7024'. Drill. Rig service-work hydril. Lost full return. Pull out of hole to 1000' pump LCM down backside. Fill casing w/LCM mud. Hole full of mud. Est.loss mud-588 bbls. Kept hole full. Build mud volume. POOH Lay down mud motor & change jets to 16's. Trip in to 2000'. Trip out. Unplug crow foot & bottom D.C.-stagging back in hole. [REDACTED]

Day 47-8/8/97-Present Operations: Drilling. Current Depth:7080'. Total rotating hrs:662. Unplug float sub & drill collar & rig service-Work blind ran. Trip in hole. Break circulation every 10 stds. Circulate LCM @ 4595'. Trip in hole Circulate & condition. Circulate max 9000 units w/2% CO2. Trip in hole. Circulate & condition mud out 9.8 back to 9.1. [REDACTED]

Day 48-8/9/97-Present Operations:Drilling. Current Depth:7204'. Total rotating hrs:685. Rig service-Work hydril & pipe rams. [REDACTED]

Day 49-8/10/97-Present Operations:Drilling. Current Depth:7358'. Total rotating hrs:708. Drilling. Rig service Work pipe rams check crown-omatic. Rig service. [REDACTED]

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Day 50-8/13/97-Present Operations: Staging back in hole. Current Depth: 7367'. Drilling fluid: F.W. Gel. Drilled in 6898' out 7367' with 8 3/4" Smith F-3H, SN-LN 3189 3/16. Total Rotating Hrs: 709 1/2. Lost Returns @ 9:30 a.m. Pulled drill pipe to 1102' (pulled tight). Clean pit & build volume-pits empty. Build volume circulate & condition>Returns. Circulate/fill hole. Circulate out gas cut mud. [REDACTED]

Day 51-8/12/97-Present Operations: Drill @ 7442'. Current Depth: 7442'. Total rotating hrs: 728 1/2. Trip in- break circulation every 1200'. Circulate out gas (heavy rain). Trip in. circulate out gas-wash to bottom. Drill. Rig Service-Work hydril. [REDACTED]

Day 52-8/13/97-Present Operations: Drilling. Current Depth: 7530'. Total rotating hrs: 752. Drilling. Rig Service. [REDACTED]

Day 53-8/14/97-Present Operations: POOH-Lost circulation. Current Depth: 7598'. Drilled in 24 hrs: 68. Total rotating hrs: 773 1/2. T.D. Time & Date: 5:30 a.m. 8/14/97. Rig service. Drilling. Pump repair. POOH 10 stds-lost full returns. Pump pill. POOH to casing & build volume. [REDACTED]

Day 54-8/15/97-Present Operations: Mixing LCM pill. Current Depth: 7598'. Total rotating hrs: 709 1/2. Pump 2-50 bbl LCM pills-No returns. POOH to csg. Build mud volume. Circulate & condition. Trip in SLC to bottom-break circulation every 10 stds. Lost returns on bottom. Pull 10 stds. Mix & pump 1-50 bbl. Heavy LCM pill-mixing another. [REDACTED]

Day 55-8/16/97-Current Depth: 7598'. Total rotating hrs: 709 1/2. Present Operations: Pull out of hole to log. Drilled in 7367' to 7698' with 8 3/4" Smith F-4 SN-LN2755 bit 14. Mix LCM pills & pump. Build volume & condition mud, establish circulation. Repair pump, trip in to 7646'. Wash 52' to bottom. Circulate & condition to log. Circulate & condition to log. Drop survey & trip out to log. [REDACTED]

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Day 56-8/17/97-Current Depth:7598'. Total Rotating Hrs: 709 ½. Present Operations: Condition & circulate. 7:00a.m. to 7:00 a.m. Trip out to log. Rig up Schlumberger. Log (platform express & DI-Pole Service). Rig down Schlumberger. Trip in hole. Condition & circulate. Wait for lay down machine.

Day 57-8/18/97-Current Depth:7598'. Total Rotating hrs:709 ½. Present Operations: Pull plugged casing out of hole. 7:00 a.m. to 7:00 a.m. Circulate & condition. Rig up lay down machine. Lay down drill pipe. Lay down BHA. Rig up casing crew. Run csg. 7" 23#/ft. 49 jts. Filled up @21jts, filled up @49jts. Casing plugged. Attempted to pump through up to 2000 psi. Laying down casing -Wet string.

Day 58-8/19/97-Current Depth:7598'. Total Rotating hrs:709 ½. Present Operations: Run 7" production casing. 7:00 a.m. to 7:00 a.m. Lay down csg. Float collar plugged with LCM. Change out tools-build mud-insert float installed. Run 7" casing fill & circulate every 25 jnts.

Day 59-8/20/97-Current Depth:7598'. Total rotating hrs:709 ½. Present Operations: Cementing final stage. 7:00 a.m. to 7:00 a.m. Finish running casing 7" 26# /ft J-55 Set @7596' - pipe stuck on bottom. No returns while pumping. Build mud volume. 1st stage cement job (see cement report) Build mud volume, wait for 1st stage cement to set. 2nd stage cement job. Fill mud tank wait for 2nd stage cement to set. Prepare for 3rd stage cement job. Note: Cement report & casing description to follow @ completion of job. Production Casing: Set 186 jnts @ 7585' GL 7" 26# / ft J-55 Ran 7606.42' - 21.42' cut off jnt. = 7585' GL.

Day 60-8/21/97-Current Depth: 7598'. Total rotating hrs: 709 1/2. Present Operations: Rig Released-Moving Rig. 7a.m to 7a.m.-Waiting on cement. Cement 3rd stage. Drop slips, cut off casing, nipple down BOP's. Clean mud tanks. RIG RELEASED @ 7p.m 8/20/97.

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8/23/97 Cont.

pump & tank. Clean up tank, pickup 6 1/8" mill 6 D.C. & 85 jts of 2 7/8" tubing & go in the hole to 2815'. SWIFN. 8/21/97-Move Caza Rig #59 off location. [REDACTED]

8/24/97-Finish picking up tubing, Tag cement @ 6874', drill out 62' of cement, tage stage tool @ 6932'. Drill up stage tool, run in hole, tag cement @ 7315'. Drill out cement to 7340'. Circulate clean. SWIFN. [REDACTED]

8/25/97-Drill out cement to 7342'. Tage stage tool @ 7342, Drill up stage tool Circulate hole clean, trip in hole to 7540'. Clean up & circulate out mud. Trip out of hole, lay down drill collars. SWIFN. [REDACTED]

8/26/97-Summary of Operations for 8/25/97-Rig up & nipple up BOP's & test to 2000 psi. Rig up Schlumberger. Ran cement bond log-held 1000 psi on casing, rig down Schlumberger. SWIFN. Summary of Operations for 8/26/97-No activity on location. Meeting with DOGM about bond log. [REDACTED]

9-3-97. Rig up oil well perforators to perf at 2988' & 2618 & set cement retainer at 2860'. TIH with stinger & sting into cement retainer @ 2860'. Test tubing to 1500 psi. Good squeeze off perf. Pull up. Hole circulated. Well clean. TOOHH with tubing. Closed well in. [REDACTED]

9-4-97. Stood by for orders. Closed well in. [REDACTED]

9-5-97. Made up mill & 6-4 1/2. Drill collars. TIH. Tag cement retainer at 2860'. Mill out. Tag cement under retainer 128' of cement mill 60'. Circulate hole clean. Closed well in. [REDACTED]

Costs:\$31,225.76

9-6-97. Mill out cement. Trip down. Below perfs & circulate. Well clean. Test perf to 1000. Held TOOHH with tubing. Closed in for night. [REDACTED]

9-7-97. Laid down 6-4 1/2". Drill collars. Rig up oil well perforators. Bond log well. **Daily Costs:\$7521.35 . Cumulative Costs:\$41,662.71.**

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9-9-97. Pick up & run in hole with plug & packer set. Set plug @7112'. Pulled up to 6980'. Set packer. Rigged up to swab. Swab on well-see Swab report zone #1. Made 26 runs. 162 bbls swab, max H²S 45 PPM signs of CO² ± 2%. Recovered 3 water samples. SWIFN [REDACTED]
[REDACTED]

9-10-97. Rig up H²S safety team. Check for H²S. Had H²S safety school for all on location. Rig down swab. Release packer & plug. Run in hole to 7260'. Set plug. Pick up to 7185' set packer. Rig up to swab. Swab on well-see swab report. Made 24 runs. 148 bbls swab. Max H²S 120 ppm. Signs of CO² ± 2%. 1 strand of swab line broke, hung in lubricator & top crown shieve. Re pull line free of well SWIFN. Fix sandline & pour new rope socket. [REDACTED]
[REDACTED]

9-11-97. Present Operations: Made 1 swab run to get water samples from Zone #2. 3 samples were taken. Pulled 8 bbls-fluid level @1900'. Release packer & recover plug. Go in hole to 7465'. Packer/plug package began to drag. Worked to free packer/ plug assembly. Began to POOH after circulating on plug. Plug stuck @ 7334'. Could not move plug. Released plug @7334'. POOH with Packer & retriever head. SWIFN. [REDACTED]
[REDACTED]

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ORIGINAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well

Footages:

467' FNL & 1461' FWL

QQ, Sec., T., R., M.: NE/NW, SEC. 16, T14S, R09E, SLB&M

CONFIDENTIAL

5. Lease Designation and Serial Number:

PATENTED LAND

6. If Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Fausett D5

9. API Well Number:

43-007-30351

10. Field or Pool, or Wildcat:

Drunkard's Wash

County: CARBON

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Weekly Report</u> | |

Date of work completion _____

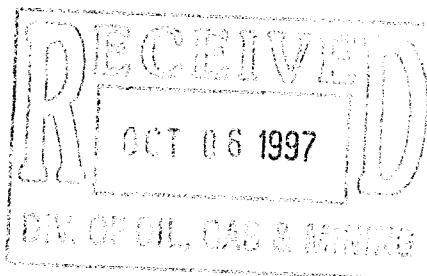
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED

CONFIDENTIAL



13.

Name & Signature: Laurie Tryon

Laurie Tryon

Title: Administrative Assistant

Date: 10/1/97

(This space for state use only)

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16, T14S, R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 12

9-12-97. Present Operations: Pick up & run in hole with retrieving head, x-over sub, bumper sub, jars, 3 drill collars, x-over & 233 jts of tubing. Latched plug, worked & jarred plug. Plug came free. Pulled out of hole-plug dragged. Hung-up on a number of collars. Racked collars and lay down jars, bumper sub & x-over. Plug stuck in csg head. Rig down BOP's & tubing valve. Got plug free from head. Rigged up BOP's. SWIFN. Daily Costs:\$6689.15. Cumulative Costs:\$104016.89.

9-13-97. Present Operations: Pick up & run in hole with 6 1/4" bit, casing scraper, sub, 2-drill collars, x-over sub & tubing. Run in hole to 7464'. Could not get any deeper. Pulled out with tubing & lay down drill collars & tools. Pick up & run in hole with packer & tubing. Set packer @7430'. -238 jts + 18' of subs. Rig up to SWAB-Bad storm-lightning & rain. SWIFN. Daily Costs:\$2722.20. Cumulative Costs:\$106739.09.

9-14-97. Present Operations: Rig up Swab. Swab on well (Note: zone#3-pkr@7430). Made 24 runs. Total swab fluid-130 bbls. Caught three samples. See swab report. Well making sand. Prepare to acidize tomorrow. Daily Costs:\$2912.52. Cumulative Costs:\$109651.61.

9-15-97. Present Operations: Rigged up Dowell, Pumped 429 gals 15% HCL acid with 43 BBL (15 Bbl clay sta treated) water. Flush, allowed acid to soak for 15 min. Pump 12 Bbls flush. Released packer @ 7430'. Pulled out of the hole. Pickup & run in hole with the plug- Redhead-packer assembly. Go in hole to 7390'. Set plug @7390'. Pull up to 7318'. Set packer @7318' Close valves. SWIFN. Daily Costs:\$1756.75. Cumulative Costs:\$111,408.36.

9-16-97. Present Operations: Acidize Job.

Zone#2-Set plug @7390' & packer @7318'. Rig up Dowell & pump 374 gal 15% HCL, displace to packer, shutdown for 15 min. Pump 12 bbl to flush acid. See well treatment report.

Zone#3-Set plug @7318' & packer @7260'. Rig up Dowell & pump 594 gal 15% HCL, displace to packer (40 bbls). Shutdown for 15 min. Pump 12 bbl to flush acid. See well treatment report.

Zone#4-Set plug @7260' & packer @7185'. Rig up Dowell & pump 781 gal 15% HCL. Displace to packer (48bbls). Shutdown for 15 min. Pump 12 bbl to flush acid-see well treatment report.

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 13

9-16-97 cont.

Zone#5-Set plug @ 7185' & packer @7110'. Rig up Dowell & pump 770 gal 15% HCL acid. Displace to packer (37.8 bbl). Shut down for 15 min. Pump 12 bbl water to flush acid. See well treatment report.

Zone#6-Set plug@7110' & packer @6980'. Rig up Dowell & pump 1100 gal 15% HCL acid. Displace to packer. Shut down for 15 min. Pump 12 bbl water to flush acid. See well treatment report.

Release the packer, go down & catch the plug. Pull out of the hole with the tubing & tools. Lay down plug & packer. SWIFN. [REDACTED]
[REDACTED]

9-17-97.Rig repairs. Check out blower on rig engine. Pickup & run in hole with bull plug + 4' perf sub & 8' sub. Plug & pressure gauges. Set plug @7430'. (238 jts + 12'). Pull out of hole w/tubing. Pick up & run in hole with bull plug. 4' perf sub & 8' sub, profile nipple, 10' sub, packer, two pressuregauges, retriever head & tubing. Set packer @ 7184' (230 jts +13'). POOH. Laying down tubing. Lay down 50 jts. SWIFN. [REDACTED]
[REDACTED]

9-18-97. Continue laying down tubing & retriever head. Nipple down BOP's. Nipple up tubing valve. Rig down rig. Move rig. [REDACTED]
[REDACTED]

9-19-97. Injection Test w/Dowell.

9-28-97. Fix flat tire on rig. Wellhead Pressure 150 psi. Blow down to pit-Methane gas. Move rig on to location, Rig up, Oilind Safety Team. Check for H₂S gas. No H₂S. Rig down wellhead. Rigged up BOP's. Rigged up to pick up tubing. Tally tubing & GIH w/ retrieving head & tubing. Rig broke-fan-repaired rig. Run in hole to 7141'. 229 jts. SWIFN. [REDACTED]
[REDACTED]

9-29-97. Tubing on vac. Csg pressure 20 psi. Picked up 2 jts. of tubing. Retrieved packer, un-seated packer. Pulled out of hole with tubing. Lay down tools & packer. Rig up & run in hole with retrieving head & tubing. Retrieved plug. Released plug & pulled out of hole with tubing, lay down tools & plug. Run in hole with 50 stds. Start laying down tubing. SWIFN. Daily
[REDACTED]

DAILY WELL REPORT

River Gas Corporation
Disposal Well 5
467' FNL, 1461' FWL
NE/NW, Sec.16,T14S,R9E
CARBON COUNTY, UTAH
SURVEYED ELEVATION: 6217'
API# 43-007-30351
DRILLING CONTRACTOR: Caza Drilling Rig #59

PAGE 14

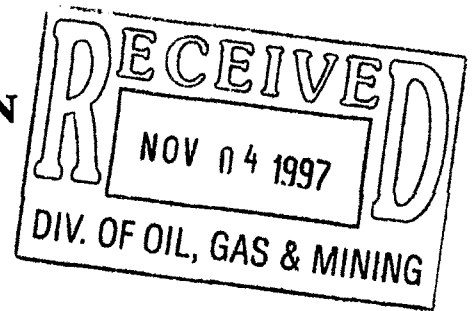
9-30-97. Finish laying down tubing on trailer. Rig down tubing equipment & rig up casing equipment. Prepare to run 4 1/2" casing. SWIFN. [REDACTED]
[REDACTED]

10-1-97. Pickup & run packer, on/off tool & 4 1/2" 11.60#/ft J-55 casing to 4167.70'. Test back side to 1000 psi by setting packer & pumping with rig pump. Test o.k.. Released packer & ran in hole to 6768.76 set packer. Set 25000 on packer. Landed seal in wellhead. SWIFN. [REDACTED]
[REDACTED]



RIVER GAS CORPORATION

511 Energy Center Boulevard
Northport, Alabama 35476
Phone (205) 759-3282
Fax (205) 758-5309



October 31, 1997

Mr. Gilbert Hunt
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Ste. 1210
Post Office Box 145801
Salt Lake City, UT 84114-5801

Re: Injection Application for D-5 well
(Supplemental information for Form 1)
NE/NW of Section 16
T14S, R9E, SLB&M, Carbon County, Utah

Dear Mr. Hunt:

As mandated within the UIC Class II well guidelines, the fracture extension pressure data and formation water analysis are being submitted for your review. As stated in the attached Stim-lab report, the fracture parting pressure noticed during the September, 1997 step-rate test was 3354 psi bottom hole (gauge depth of 7186 ft.). This bottom hole pressure translates into a surface pressure of 244 psi.. This low pressure supports our reasoning that tensional forces on the Navajo formation has enhanced injectivity as a result of the overlying Carmel anhydrite slip fault movement. The Carmel rock properties exhibit an extremely high in-place stress regime above the Navajo which provides for an excellent barrier zone. Therefore, we respectfully request a maximum injection pressure of 500 psi.. To stay concurrent with prudent operating procedures, River Gas Corporation will conduct an annual tracer survey from commencement of injection to prove containment within the Navajo.

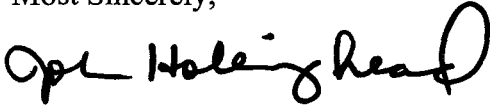
Per your office's request, the initial pore pressures across the Navajo and Wingate formations in D-5 are detailed in Table 2 of the attached Stim-Lab report. Figure 1 shows the placement of the gauges.

The attached SL 5049 report outlines the water analysis from the Navajo and Wingate formations. As shown, several areas of the wellbore were isolated to identify any changes in water chemistry throughout the Navajo and Wingate sandstones. The packer depths are shown underneath the date the sample was recovered. All samples recovered had a

significantly higher TDS than the produced waters to be injected as shown by the attached analysis.

I trust this information will be helpful in your decision process, and should additional data be needed, contact me at 205-759-3282.

Most Sincerely,

A handwritten signature in black ink, appearing to read "John Hollingshead". The signature is fluid and cursive, with the first name "John" being more legible than the last name "Hollingshead".

John Hollingshead
Reservoir Engineer

ANALYSIS OF THE STEP RATE INJECTION TEST CONDUCTED IN WELL D-5 AT DRUNKARDS WASH

Well D-5 was completed in September 1997 and a step rate test was conducted on September 19, 1997 to determine the fracture parting pressure in the Navajo sandstone. Both the Navajo and Wingate sandstones were opened through perforations at the depths shown in Table 1. The wellbore schematic is shown in Figure 1. The wellbore was configured so that the fluid was injected into the Navajo A and the pressure monitored in the Navajo A (1) and under bridge plugs in the Navajo B (2) and Wingate (3).

A total of 2173 barrels of water was injected in a short high rate breakdown injection test and a step rate test. The data from the injection phase is shown in Figure 2 for all three gauges. The rates were varied from about 2 to a maximum of 12 BPM. Lower rates could not be obtained because of the low initial wellhead pressure.

Table 1 - Perforation Placement in Well D-5

Perforation Location (ft)
7010-7180
7189-7259
7262-7316
7320-7336
7350-7356
7362-7374
7440-7457
7464-7486

Table 2 - Initial Pressures in D5

Gauge Depth (ft)	Initial Pressure (psi)	Gradient
7186	2594	0.361
7203	2597	0.361
7442	2713	0.365

The initial pressures at each depth prior to the injection tests are shown in Table 2.

The data shows a consistent initial pressure gradient at all depths of approximately 0.36 psi/ft. After the initial acid breakdown, pressure communication between all zones was observed. The analysis of the pressure data from the upper gauge shows a fracture extension pressure of 3354 psi which is a gradient of 0.467 psi/ft. The traditional rate-pressure plot is given in Figure 3.

As fluid was injected into the upper zone, a significantly lower pressure was observed for the wellbore gauges open to the other zones in the well. The difference in pressure is due to either different fracture extension pressures or fracture friction pressure. It appears from the data that it is most likely both. The data in Table 3 shows a comparison of the treating pressures at 11.8 BPM. The normalized pressure is calculated by subtracting the initial reservoir pressure from the recorded fracturing pressure. This shows that the difference in flowing pressure between the Navajo A and the Wingate is 258 psi. By referring back to Figure 2, it can be seen that the pressure at the lowest flow rate in the Wingate is 3112 psi compared to 3128 psi in the Navajo A. Without frictional pressure losses, the pressure in the Wingate should have been 3247 psi based on initial static pressure differences since fracturing conditions had not yet been reached. Therefore we concluded that a minimum of 120 psi frictional pressure drop has to be associated with fluid moving from the perforations in the Navajo A down to the Wingate zone.

CONCLUSION

The fracture extension gradient in well D-5 is one of the lowest observed to date. This confirms that the Navajo sandstone is in tension at this well location. Well logs confirm the existence of the upper thrust plate previously described. Therefore, the low stress state in the target zone does not reflect the stress state in

Table 3 - Stimulation Pressures Recorded by Zone in D5

Gauge Depth (ft)	Initial Pressure (psi)	Pressure at 11.8 BPM	Normalized Pressure ($P_f - P_i$)
7186	2594	3464	870
7203	2597	3328	731
7442	2713	3325	612

the upper anhydrite in the thrust plate which is in compression and has an extremely high *in-situ* stress. Based on the previous analysis of the stress state in the Navajo sandstone and the upper thrust plate, we believe that surface injection pressures up to 3000 psi could be used without breaching the upper anhydrite barrier.

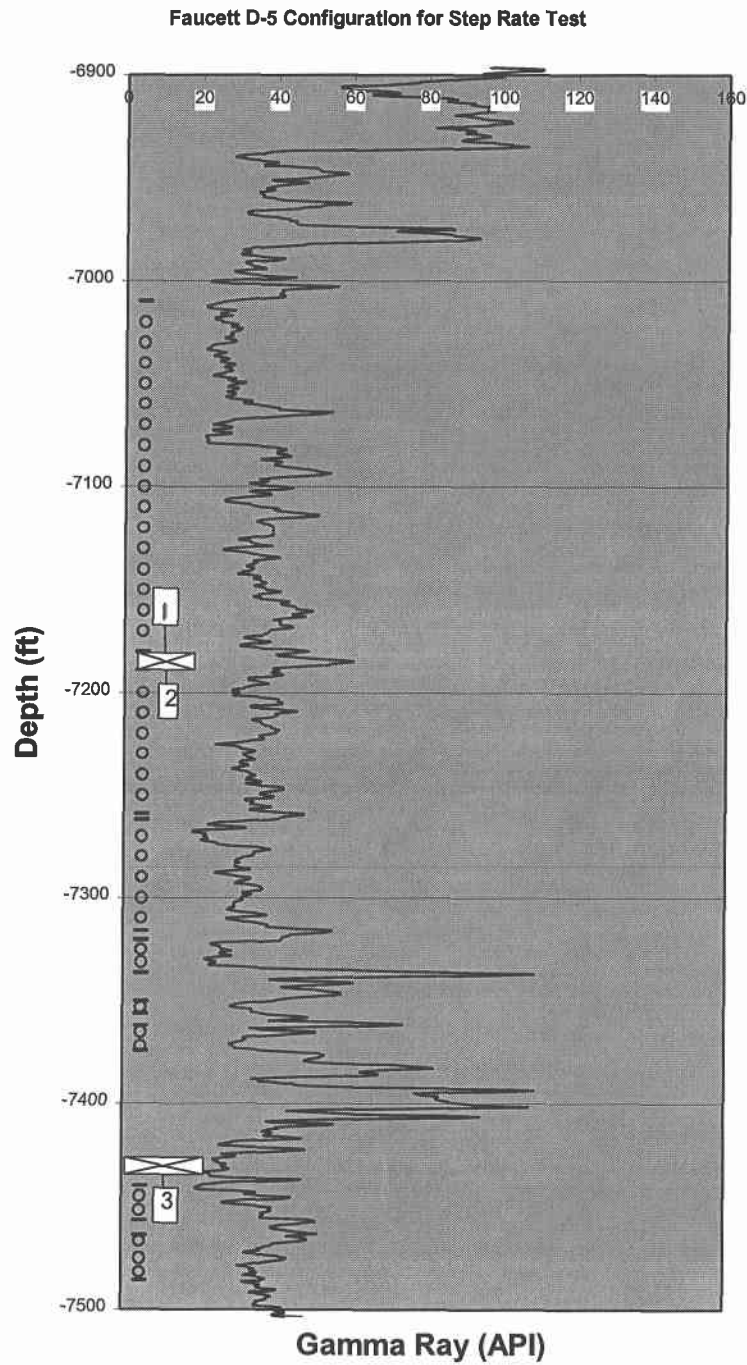


Figure 1

Figure 2: Injection Test Pressures for D-5

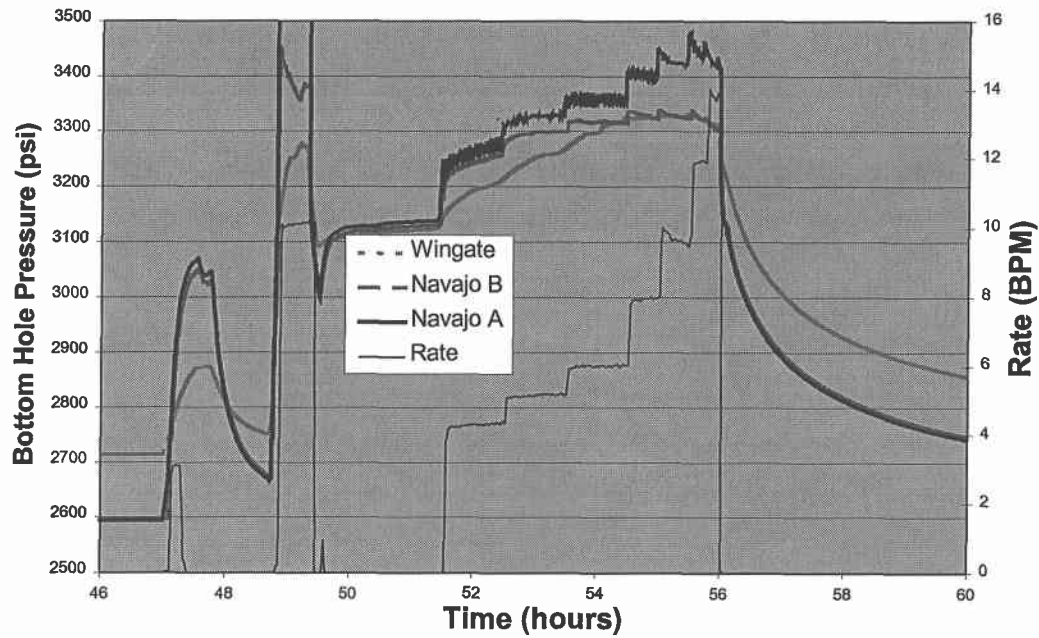


Figure 2

Michael W. Conway

October 25, 1997

Figure 3: Step Rate Test in Fausett D-5

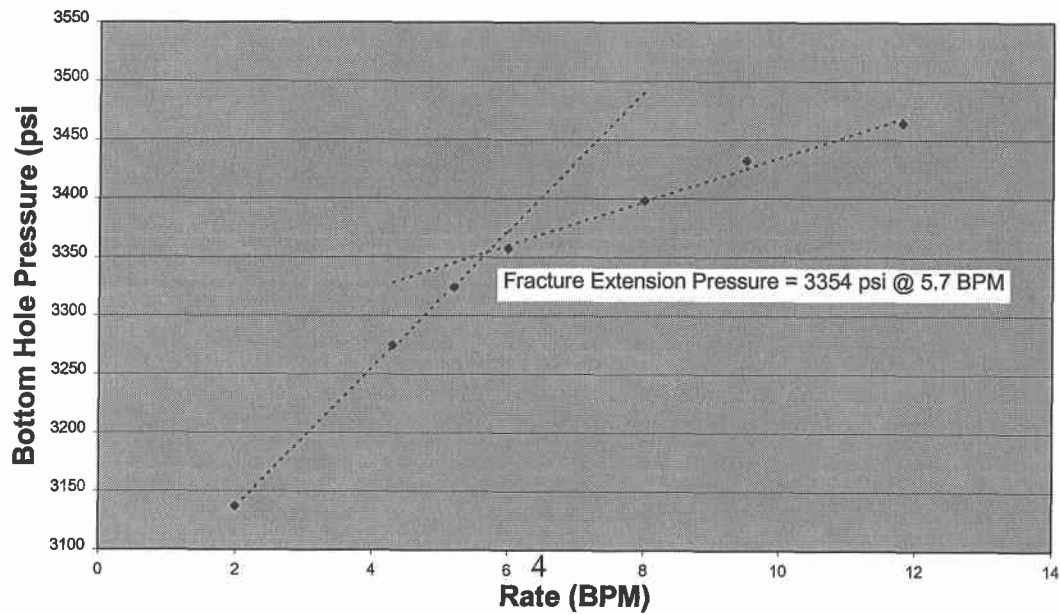


Table 1
River Gas Corp.
SL 5049
Fauseh D-5 Water Analysis
Sample Received: 9/26/97

Sec 16, T14S R9E

D-5, 9/9/97 6980'		D-5, 9/11/97 7185'		D-5, 9/14/97 7430'	
Parameter	Results	Parameter	Results	Parameter	Results
pH	6.90	pH	7.11	pH	6.97
Chloride	91206 ppm	Chloride	92567 ppm	Chloride	48779 ppm
Carbonate	0.0 ppm	Carbonate	0.0 ppm	Carbonate	0.0 ppm
Bicarbonate	2600	Bicarbonate	2750 ppm	Bicarbonate	1850 ppm
Sulfate	0	Sulfate	0	Sulfate	0
TDS	171304 ppm	TDS	177624 ppm	TDS	87140 ppm
Calcium	1380 ppm	Calcium	1440 ppm	Calcium	930 ppm
Magnesium	530 ppm	Magnesium	530 ppm	Magnesium	272 ppm
Sodium	45900 ppm	Sodium	48100 ppm	Sodium	25100 ppm

Wingate (?)
TDS - Why so low?

*All of the above samples were filtered before the analysis was completed.

?? No perf @
6980'

Poor documentation!
Perfs & swab runs
not recorded in daily
driller's log for these
dates. Packer set
@ 6980' according to
driller's log.
CK 10/11/02

Novajo
Sample

CK 10/11/02

STIM LAB
Inc.

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

See 16, T145 R9E

WATER ANALYSIS REPORT RIVER GAS

COMPANY D-1 RQ 31-01-01 ADDRESS _____ DATE 01-30-96

SOURCE RGC WATER SAMPLES DATE SAMPLED 01-22-96 ANALYSIS NO. _____

Analysis Meq/l (ppm) Meq/l

1. PH	8.6		
2. H ₂ S (Qualitative)	0		
3. Specific Gravity	1.007		
4. Dissolved Solids		19.889	
5. Suspended Solids			
6. Anaerobic Bacterial Count			C/M
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)	3,660	+57	60 HCO ₃
9. Chlorides (Cl)	9,000	+35.5	254 Cl
10. Sulfates (SO ₄)	0	+48	0 SO ₄
11. Calcium (Ca)	2	+20	0 Ca
12. Magnesium (Mg)	0	+122	0 Mg
13. Total Hardness (CaCO ₃)	5		
14. Total Iron (Fe)	0.6		
15. Barium (Qualitative)			
16. Phosphate Residuals			

*Mile equivalents per liter

PROBABLE MINERAL COMPOSITION

0	Ca	←	HCO ₃	60
0	Mg	←	SO ₄	0
314	Na	←	Cl	254

Saturation Values

CaCO₃

Distilled Water 20°C

13 Mg/l

CaSO₄ · 2H₂O

2,090 Mg/l

MgCO₃

103 Mg/l

Compound	Eq. Wt.	X	Meq/l	=	Mg/l
Ca(HCO ₃) ₂	81.04				
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17				
MgSO ₄	60.19				
MgCl ₂	47.52				
NaHCO ₃	34.00		60		5,040
Na ₂ SO ₄	71.03				
NaCl	58.46		254		14,849

REMARKS RESISTIVITY = .56 OHMS/CM @ 70°F

NATURE SAVER™ FAX MEMO DTGTS

To	Cal Hunt	From	Rockville
Copy	Donna Ploman	Copy	
Phone #		Phone #	



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

November 4, 1997

Newspaper Agency Corporation
Legal Advertising
PO Box 45838
Salt Lake City, Utah 84145

Re: Notice of Agency Action - Cause No. UIC-197

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Lorraine Platt

Lorraine Platt
Secretary

Enclosure



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

November 4, 1997

Sun Advocate
P. O. Box 870
845 East Main
Price, Utah 84501

Re: Notice of Agency Action - Cause No. 197

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Larraine Platt

Larraine Platt
Secretary

Enclosure

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE
APPLICATION OF RIVER GAS
CORPORATION FOR
ADMINISTRATIVE APPROVAL OF
THE D-5 WELL LOCATED IN
SECTION 16, TOWNSHIP 14 SOUTH,
RANGE 9 EAST, S.L.M., CARBON
COUNTY, UTAH, AS A CLASS II
INJECTION WELL

:
:
:
:
:

NOTICE OF AGENCY
ACTION

CAUSE NO. UIC-197

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED
MATTER.

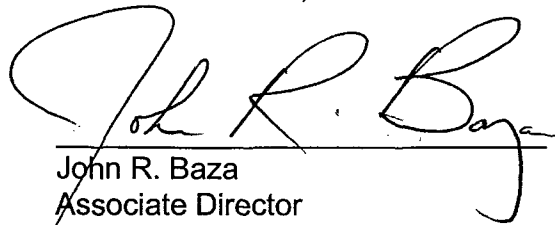
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of River Gas Corporation for administrative approval of the D-5 well, located in Section 16, Township 14 South, Range 9 East, S.L.M., Carbon County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 7010 feet to 7486 feet (Navajo and Wingate Formations) will be used for water injection. The maximum injection pressure requested is 500 psi.

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 4th day of November 1997

STATE OF UTAH
DIVISION OF OIL, GAS & MINING


John R. Baza
Associate Director

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D.# 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune



DESERET NEWS

CUSTOMER'S
COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	D5385340L-07	11/11/97

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-197
BEFORE THE DIVISION OF
OIL, GAS AND MINING
DEPARTMENT OF NATURAL
RESOURCES, STATE OF UTAH

THE MATTER OF THE APPLICA-
TION OF RIVER GAS CORPORA-
TION FOR ADMINISTRATIVE AP-
PROVAL OF THE D-5 WELL
LOCATED IN SECTION 16, TOWNSHIP
14 SOUTH, RANGE 9 EAST,
CARBON COUNTY, UTAH,
CLASS II INJECTION WELL.

STATE OF UTAH TO ALL PER-
SONS INTERESTED IN THE ABOVE
TITLED MATTER.

Notice is hereby given that
Division of Oil, Gas and Min-
ing ("Division") is commencing
an informal adjudicative
proceeding to consider the ap-
plication of River Gas Corpora-
tion for administrative approval
of a D-5 well located in Sec-
tion 16, Township 14 South,
Range 9 East, S.L.M., Carbon
County, Utah, for conversion to
a Class II injection well. The pro-
ceeding will be conducted in ac-
cordance with Utah Admini-
strative Code, Title 17, Chapter
2-10, Administrative Proce-
dures.

The interval from 7010 feet to
7020 feet (Navajo and Wingate
formations) will be used for wa-
ter injection. The maximum in-
jection pressure requested is
250 psi.

Any person desiring to object
to the application or otherwise
participate in the proceeding,
file a written protest or no-
tice of intervention with the Divi-
sion within fifteen days follow-
ing publication of this notice. If
a protest or notice of interven-
tion is received, a hearing will
be scheduled before the Divi-
sion of Oil, Gas and Mining.
Interested parties and/or intervenors
should be prepared to demon-
strate at the hearing how this
action affects their interests.

DATED this 4th day of Novem-
ber, 1997.

JOHN R. BAZA
STATE DIRECTOR
0080

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TLB78200871
SCHEDULE	
START 11/11/97 END 11/11/97	
CUST. REF. NO.	
UIC-197	
CAPTION	
NOTICE OF AGENCY ACTION CAUSE N	
SIZE	
68 LINES 1.00 COLUMN	
TIMES	RATE
1	1.64
ISC. CHARGES	AD CHARGES
.00	111.52
TOTAL COST	
111.52	

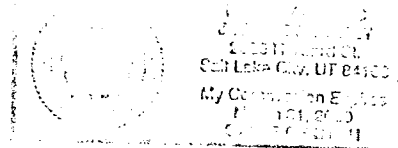
AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED
ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE N FOR
DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY
CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS
PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED
IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 11/11/97 END 11/11/97

SIGNATURE Joanne Honey

DATE 11/11/97



THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.

2871
NOV 18

**River Gas Corporation
D-5 Well
Cause No. UIC-197**

Publication Notices were sent to the following:

River Gas Corporation
1305 South 100 East
Price, Utah 84501

River Gas Corporation
511 Energy Center Blvd.
Northport, AL 35476

Newspaper Agency Corporation
Legal Advertising
P.O. Box 45838
Salt Lake City, Utah 84145

Sun Advocate
P. O. Box 870
845 East Main
Price, Utah 84501-0870

Bureau of Land Management
Price/San Rafael Field Office
125 South 600 West
P.O. Box 7004
Price, Utah 84501

U.S. Environmental Protection Agency
Region VIII
Attn: Dan Jackson
999 18th Street
Denver, Colorado 80202-2466

School of Institutional Trust Lands Administration
Ed Bonner
675 East 500 South
Salt Lake City, Utah 84102

Carbon County Commissioners
120 East Main
Price, Utah 84501



Larraine Platt, Secretary


AFFIDAVIT OF PUBLICATION

STATE OF UTAH)

SS.

County of Carbon,)

I, Kevin Ashby, on oath, say that I am the Publisher of the Sun Advocate, a twice-weekly newspaper of general circulation, published at Price, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for 1 (One) consecutive issues, and that the first publication was on the 11th day of November, 1997 and that the last publication of such notice was in the issue of such newspaper dated the 11th day of November, 1997.

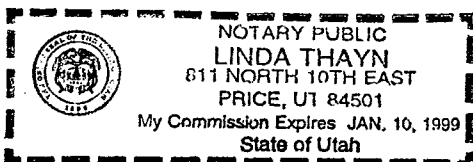

Kevin Ashby - Publisher

Subscribed and sworn to before me this 11th day of November, 1997.



Notary Public My commission expires January 10, 1999 Residing at Price, Utah

Publication fee, \$64.02



NOTICE OF AGENCY ACTION

CAUSE NO. UIC-197

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF RIVER GAS CORPORATION FOR ADMINISTRATIVE APPROVAL OF THE D-5 WELL LOCATED IN SECTION 16, TOWNSHIP 14 SOUTH, RANGE 9 EAST, S.L.M., CARBON COUNTY, UTAH, AS A CLASS II INJECTION WELL

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER:

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of River Gas Corporation for administrative approval of the D-5 well, located in Section 16, Township 14 South, Range 9 East, S.L.M., Carbon County, Utah, for conversion to a Class II injection well. The proceeding will be conducted in accordance with the Utah Admin. R.649-10; Administrative Procedures.

The interval from 7010 feet to 7486 feet (Navajo and Wingate Formations) will be used for water injection. The maximum injection pressure requested is 500 psi.

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 4th day of November, 1997.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
-s- John R. Baza
Associate Director

Published in the Sun Advocate November 11, 1997.

RECEIVED

NOV 13 1997

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

DIV. OF OIL, GAS & MINING

REGISTRATION AND SERIAL NO.

Patented Land

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other Water Disposal

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RECVR. ☐ Other _____

3. NAME OF OPERATOR

RIVER GAS CORPORATION

4. ADDRESS OF OPERATOR

511 ENERGY CENTER BLVD; NORTHPORT, AL 35473

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 467' FNL, 1461' FWL SEC 16, T14S, R9E

At top prod. interval reported below

At total depth

CONFIDENTIAL

7. UNIT AGREEMENT NAME

UTU67921X

8. FARM OR LEASE NAME

FAUSETT

9. WELL NO.

D-5

10. FIELD AND POOL, OR WILDCAT

DRUNKARDS WASH

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC16, T14S, R9E

14. API NO.

43-007-30351

DATE ISSUED

06/10/97

12. COUNTY

CARBON

13. STATE

UT

15. DATE SPUDDED

06/22/97

16. DATE T.D. REACHED

08/14/97

17. DATE COMPL. (Ready to prod.)

9.9.97 (Plug & Abd.)

18. ELEVATIONS (DF, EER, RT, CR, ETC.)

6217 GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

7598 MD

21. PLUG BACK T.D., MD & TVD

22. IF MULTIPLE COMPL. HOW MANY

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

TO TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)

7010-7356' - Injection interval within Navajo Sandstone

7445-7486' - Injection interval within Wingate Sandstone

25. WAS DIRECTIONAL SURVEY MADE

YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

Caliper, GR, SP, Neutron-density, bulk density

27. WAS WELL CORED YES ☐ NO ☒ (Submit analysis)

DRILL STEM TEST YES ☐ NO ☒ (See reverse side)

28.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36 J-55	921'	12-1/2"	185 sks 50-50 Poz, 135 sks class G	
7"	26 J-55	7585'	8-3/4"	750 sks Class G, 2% SI, 1/2#/sk D29	

29.

LINER RECORD

30.

TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"					4-1/2"	6968.5'	6970'

31. INFORMATION RECORD (Interval, size and number)

7464-86, 7440-57, 7362-74, 7350-56, 7320-36

7263-7316, 7189-7259, 7010-7180

7110-7185 770 gal 15% HCL w/ 50 bbl H2O

7010-7110 1100 gal 15% HCL

32. ACID, SHOT, FRACTURE CEMENT SQUEEZE ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

7440-7464 429 gal 15% HCL w/ 43 bbl H2O w/clay

7320-7362 374 gal 15% HCL w/ 12 bbl H2O stab.

7263-7316 594 gal 15% HCL w/ 52 bbl H2O

7189-7259 781 gal 15% HCL w/ 50 bbl H2O

33.

PRODUCTION

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

WELL STATUS (Producing or shut-in)

DATE OF TEST

HOURS TESTED

CHOKE SIZE

PROD. FOR

OIL—BSL

GAS—MCF.

WATER—BSL

GAS-OIL RATIO

FLOW, FLUO. PRESS.

CASING PRESSURE

CALCULATED

24-HOUR RATE

PROD. FOR

OIL—BSL

GAS—MCF.

WATER—BSL

OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Dennis Plowman Dennis Plowman TITLE Reservoir Technician

DATE 11/07/97

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 10: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:

Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Formation	Top	Bottom	Description, contents, etc.	Name	Meas. Depth	Top True Vert. Depth
Navajo Sandstone	7005	7335	Clear to orange-yellow, fine-medium grain, quartz-rich	Ferron	2670	
				Tunurk	2950	
				Dakota	3320	
				Cedar Mtn.	3342	
				Morrison	4350	
				Summerville	4920	
				Curtis	5360	
				Entrada	5495	
				Garfield	6280	
				Navajo	7005	
				Kayenta	7335	
				Wingate	7445	

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well:

Footages:

467' FNL & 1461' FWL

OO. Sec., T., R., M.: NE/NW, SEC. 16, T14S, R09E, SLB&M

5. Well Designation and Serial Number:

ABANDONED LAND

6. If Indian, Allocated or Tribe Name:

N/A

7. Unit Agreement Name:

Drunkards Wash UTU-67921X

8. Well Name and Number:

Fausett D5

9. API Well Number:

43-007-30351

10. Field or Pool, or Wildcat:

Drunkard's Wash

County: CARBON

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other _____ | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details and give pertinent cases. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

River Gas Corporation initiated disposal of produced fluids into the D-5 well in the late A.M. of November 25, 1997.

A pressure test of the annulus above the packer at 6768 feet was conducted on October 1, 1997. One thousand psi. was placed on the annular space between the 4 1/2" tubing and 7" casing for thirty minutes with no loss of pressure. Individuals on location who witnessed this test were: Greg Mueller (River Gas Co.); Luner Mitchell (River Gas Co.); John Benoit (Benoit Service Co.); Ken Moon (Flint Engineering & Construction Co.).

A gauge will be placed on the backside, and a record kept for the annular space (4 1/2" & 7") to assure integrity is maintained. This information will be forwarded to your office with the other monthly injection information.

Signature: Opel Hollinghead Reservoir Engineer 11-25-97

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: River Gas Corporation

Well: Utah D-5

Location: Sec. 16, T14S, R9E,
Carbon, County

API: 43-007-30351

Ownership Issues:

The well is located on fee land. Mineral ownership is the same as the surface. The oil and gas lessee is River Gas Corp., no other mineral lessee of record according to affidavit of River Gas. The surface in the one-half mile area of review is owned by SITLA, and private individuals. Minerals in the one-half mile radius are held by SITLA and private individuals. Notice to all owners and surface owners within a half mile radius was given by River Gas. Notice was published in the Salt Lake Tribune, Deseret News, and the Sun Advocate. A copy of the notice was mailed to the BLM in Price, the EPA, Carbon County and SITLA.

Well Integrity:

A 14" conductor pipe was set at 20 feet and cemented to surface. A 12-1/2" hole was drilled to 921 feet and a 9-5/8" casing was set at 921 feet and cemented to surface with 185 sks class G cement. An 8 3/4" hole was drilled to 7598 feet and a 7" casing was set at 7585 feet and cemented in three stages with 750 sacks of class G cement. The top of cement was at approximately 5300 feet and verified by a cement bond log. A subsequent squeeze job placed cement across the producing Ferron Sandstone from approximately 3000 feet up to 2600 feet. A 4 1/2" tubing was run with a packer set at 6970 feet. There no wells in the one-half mile area of review. No corrective action will be required.

Ground Water Protection:

Water contained in subsurface strata in the vicinity is of poor quality, as would be predicted, mostly due to distance from recharge and the presence of evaporites in adjacent and intervening formations. A previously submitted sample of injection water from the Ferron producing zones shows total dissolved solids level of 8,402 mg/l. The quality of water in the Navajo and Wingate Formations at the subject well location ranges from 80,000 mg/l to 177,000 mg/l. total dissolved solids (TDS). This was determined via swab samples taken September 9-15, 1997. The Navajo is a known fresh water aquifer at many locations in the state. In the general San Rafael Swell area, the quality of water in the Navajo is generally of higher quality nearer the outcrop and recharge areas and poorer with increased depth and distance from recharge (DNR Tech. Pub. 78). This premise has been verified with samples taken from the subject well and other wells along the flow path. The planned injection of Ferron production water into the Navajo at this location will result in dilution of the more saline water contained in the Navajo. Injection of produced water into the Navajo/Wingate Sandstones (7010 feet-7486 feet) at this location is predicted to have little effect on the overall hydrology of the aquifers because of their great extent compared to the volume of fluid that will likely be injected.

It is our conclusion after reviewing applicable information including the application submitted by River Gas, that injection into the Navajo and Wingate Sandstones at this location would result in some dilution of the saline water present in the aquifers and a pressure increase near the well which would dissipate after injection ceases. No long term negative impacts are anticipated as a result of injection of produced water into the subject well.

Considerable amounts of reservoir and pressure data have been obtained on the Navajo and overlying formations since River Gas Corp. converted the first disposal well (D-1). Step-rate tests have been conducted, reservoir pressures obtained, reservoir modeling done, and engineering analysis applied. A detailed report prepared by Stim-Lab Inc. analyzes step rate information in the D-5 well. The step-rate information indicates that fracture parting pressure is 500 psi (surface & no pipe friction). A maximum pressure of 500 psi. was requested.

Oil/Gas & Other Mineral Resources Protection:

The Ferron coal/gas zone is protected by tubing, casing and cement. No other known potentially producible zones were encountered in the well. The injection zone is isolated some 3000 feet below the productive interval.

Bonding:

River Gas has a blanket bond posted with the Division which covers this well.

Actions Taken and Further Approvals Needed:

Proper notice was given as required and no objections were received. Approval of the application is recommended based on the information reviewed and summarized above. A casing/tubing pressure test shall be conducted prior to injection.

Reviewer(s): D. Jarvis Date: 12-1-97



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

December 2, 1997

River Gas Corporation
511 Energy Center Boulevard
Northport, Alabama 35476

Re: Fausett D-5 well, Section 16, Township 14 South, Range 9 East, Carbon County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by River Gas Corporation.
3. Conduct a pressure test for mechanical integrity prior to injection.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

John R. Baza

Associate Director, Oil and Gas

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Price



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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Executive Director

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Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-197

Operator: River Gas Corporation

Wells: Fausett D-5

Location: Section 16, Township 14 South, Range 9 East,
County: Carbon

API No.: 43-007-30351

Well Type: Disposal

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on December 2, 1997
2. Maximum Allowable Injection Pressure: 500 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: 7010 feet to 7486 feet (Navajo and Wingate Formations)

Approved by:


John R. Baza
Associate Director, Oil and Gas

12/2/97
Date

DIVISION OF OIL, GAS AND MINING

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2. Name of Operator:

River Gas Corporation

3. Address and Telephone Number:

1305 South 100 East, Price, UT 84501 (801)637-8876

4. Location of Well:

Footages:

467' FNL & 1461' FWL

Co. Sec., T., R., M.: NE/NW, SEC. 16, T14S, R09E, SLB&M

5. Lease Designation and Serial Number

PATENTED LAND

6. If Indian, Allottee or Tribe Name

N/A

7. Unit Agreement Name

Drunkards Wash UTU-67921X

8. Well Name and Number:

Fausett D5

9. API Well Number:

43-007-30351

10. Field or Pool, or Wildcat:

Drunkard's Wash

County CARBON

State UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
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| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |

☒ Other Pressure increase

Approximate date work will start

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other _____ | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form

* Must be accompanied by a cement verification report.

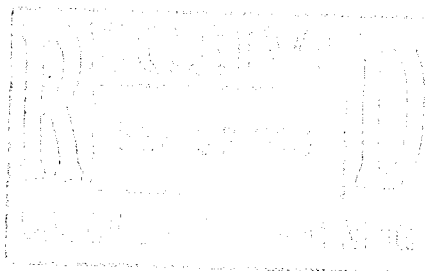
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

ATTACHED

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: 2-3-98
BY: [Signature]

Name & Signature John HollingsheadThe Reservoir Engr. Date 1-28-98

(This space for state use only)



River Gas Corporation respectfully request the maximum injection pressure for the D-5 disposal well be increased to 1350 psi.. If approved, this pressure should greatly enhance our injectivity into this disposal well, and a very positive effect on the off-setting production wells should occur.

The current data obtained in the project area provides reliable facts that indicate this pressure increase will not break through any rock boundary above the Navajo formation. As stated in the recommendation section on page 7 of the August 20, 1997 Stim-Lab report, "the upper Anhydride barrier should not be breached even with a surface injection pressure equivalent to 2800 psi. in D-4 (corrected for actual depth) in any of the wells". The report also states this protective barrier is present in the D-5 well at 6220 feet which is supported by open-hole logs. Under this premise, a maximum surface pressure of 3100 psi could be confidently contained. Therefore, we feel our request for 1350 psi. is reasonable for this well.

UPDATED ANALYSIS OF
STRESS PROFILES IN
THE INJECTION WELLS
AT DRUNKARD'S WASH

PREPARED FOR:

RIVER GAS CORPORATION
3600 WATERMELON ROAD
NORTHPORT, ALABAMA 35476

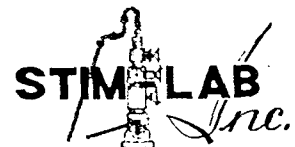
PREPARED BY:

MICHAEL W. CONWAY
STIM-LAB, INC.
7406 NORTH HWY 81
DUNCAN, OKLAHOMA 73534

P.O. NUMBER: VERBAL/JOHN HOLLINGSHEAD
FILE NUMBER: SL 4503

AUGUST 20, 1997

ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM SAMPLES AND LOGS WHICH WERE SUPPLIED. WE CANNOT, AND DO NOT, GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.



The data collected at the GRI/DOE multiwell research site, shows some shales have stresses equal to the overburden stress. This corresponds to a Poisson's ratio equal to 0.5 rather than the 0.35 value measured by the logs. Stimulation treatments conducted in the shaley parts of the Ferron sand interval confirm that the stresses must be equal to the overburden in the coals and shales to create the high fracturing treating pressures observed. The gamma ray spectrum shows that there are shale layers above the Navajo sandstone which create even higher stress barriers than those previously calculated for the siltstones and anhydrite. Without these plastic shales, we would have expected some fracture extension above the Navajo sandstone. Therefore, we have concluded that there are a number of barriers even in the lower plate below the rubble zone which would prevent upward fracture growth when the injection pressure is above the fracture extension pressure measured in the upper Navajo sand which is also in agreement with the tracer test conducted in D-1.

RECOMMENDATION

Previously, we had suggested that the surface injection pressure maximums in the injection wells could safely be increased to 1500 psi in D-1, 1600 psi in D-2 and 2500 psi in D-3. This was based on considering that the lower fracturing gradient in the Navajo Sand in D-1 and D-2 is due to a reduced tectonic stress in these wells. The new information shows that while the tectonic stress in the Navajo sand in the lower plate is reduced, the tectonic stress in the anhydrites in the upper plate are at least as high as originally estimated in D-3. This data shows that the upper anhydrite barrier should not be breached even with a surface injection pressure equivalent to 2800 psi in D-4 (corrected for actual depth) in any of the wells.

The stress in the shales were discussed above and the injection testing in D-3 and the recent radioactive tracer test in D-1 confirm that the shales must be plastic and have higher stress than was predicted by the dipole sonic log. The analysis of all injection and log data confirms that fluids injected into the Navajo sandstone will be confined to that interval.

Michael W. Conway, Ph.D.

August 20, 1997

Since D-3 is in compression, we can calculate the minimum tectonic stress that must be in the anhydrite in the upper plate. The fracture parting pressure calculated in D-3 at a reference depth of 5560 ft is 4106 psi (1475 psi surface). The stress components required to give this pressure are:

1. Lithostatic Stress (sandstone) = 803.7 psi
2. Pore Pressure = 2170.2 psi
3. Tectonic Stress (sandstone) = 853.0 psi
4. Net Closure Stress = 279.0 psi (fracture extension - fracture closure pressure)

The tectonic strain required to create the observed tectonic stress is 130 microstrains. The tectonic stress in the anhydrite layers will be even higher because the dynamic Young's Modulus is 11.5 in the anhydrite compared to 6.5 in the sandstone. This gives a minimum tectonic stress in the anhydrite above the rubble zone of 1500 psi in well D-3.

We can now compute the minimum fracture extension pressure in the anhydrite above the rubble zone in well D-4 based on the mechanical properties measured in that wellbore. Since the calculation is depth sensitive, it will be calculated at a datum depth of 5660' which is approximately where it occurs in D-4.

1. Lithostatic Stress (anhydrite) = 1493 psi
2. Pore Pressure = 2191 psi
3. Tectonic Stress (anhydrite) = 1390 psi
4. Net Closure Stress = 279.0 psi (fracture extension - fracture closure pressure)
5. Fracture parting pressure (anhydrite) = 5344 psi @ 5660 ft or 2893 psi surface.

$$\begin{array}{r}
 .944 \\
 - .433 \text{ WATER COLUMN} \\
 \hline
 .511 \times 5660 \Rightarrow 2893
 \end{array}$$

For D-5:

$$\begin{array}{r}
 6220 \text{ ft. (NEXT PG. } \rightarrow \text{)} \\
 \times .511 \text{ #/ft} \\
 \hline
 3,178 \text{ psi.}
 \end{array}$$

The anhydrite below the rubble zone will have lower stress in the wellbore at D-1 and D-4. In these wellbores, the lower Young's Modulus rocks and shales will be higher stress and will help contain any created fracture. The containment in the Navajo has been confirmed in well D-1 where a radioactive tracer survey showed no fluid movement above the upper perforations. D-1 had an initial fracture extension pressure of 550 psi and the tracer survey showed containment in the Navajo even after 6.5 million barrels water has been injected at surface pressures up to 1350 psi.

There is a second mechanism that creates higher stress zones that is not typically included in the calculated stresses but has been previously mentioned. This is the plastic nature of many shales which has been confirmed in the shales in this area. When the D-3 Wingate (perfs at 6030-6040 ft) pre-frac step rate test was conducted, the pressure analysis showed that the fracture did not breach the barriers at approximately 5950 ft. This same barrier was not breached during the fracturing treatment and the shales in this area are believed to be the additional higher stress layer responsible for the fracture containment.

northwest concentrated the strain in the anhydrite layers and they mechanically failed and the section was thrust over itself. As the plate rode over itself it created a rubblized zone just under the anhydrite. This condition also exists in the newly drilled D-5 well at about 6220 ft so we can conclude that this plate movement has large aerial extent. This process is shown schematically in Figure 4.

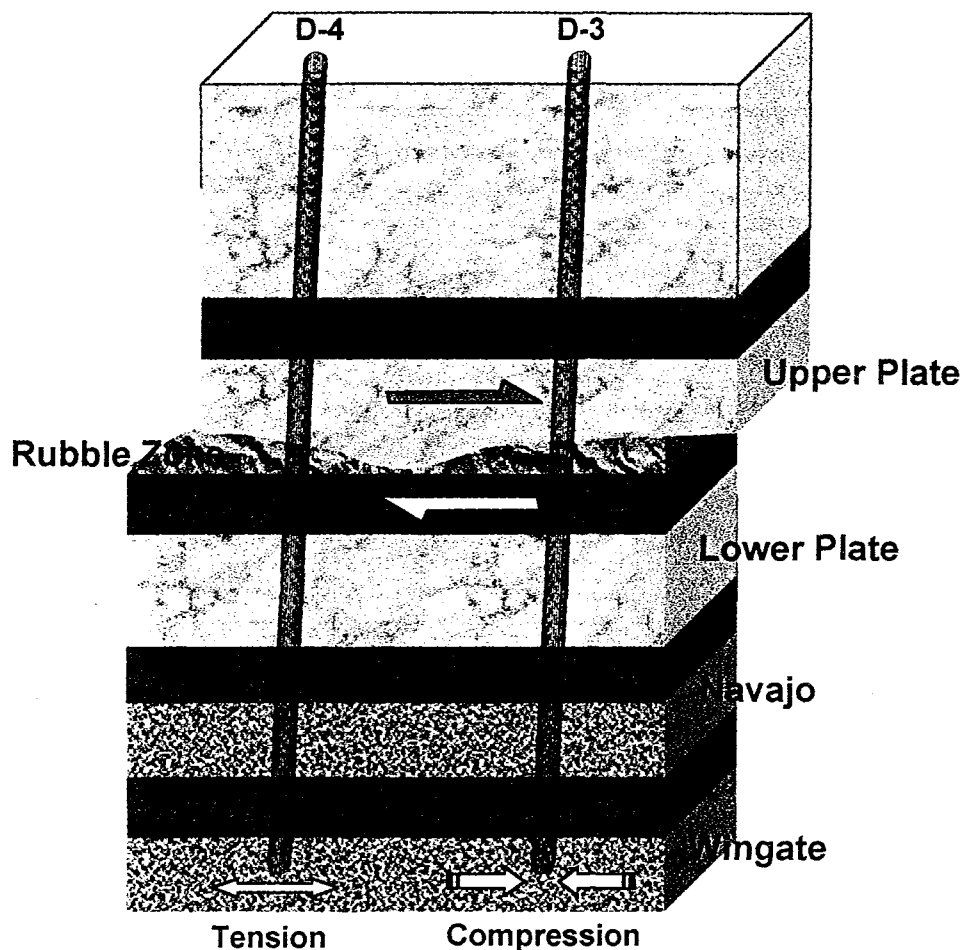


Figure 4

From this understanding we can deduce that the tectonic stress is still present in the zones above the rubble zone. The tectonic stress in the zones below the rubble zone just depends on how effectively the slippage relieved the stress arising from the overthrust. As the upper plate rides over the lower plate very anomalous stresses can arise in the lower plate. In Figure 4, we show a protrusion in the upper plate that creates a point load and it slides over the lower plate. Rocks in the lower plate will be put in compression ahead of protrusion and those behind the protrusion will actually be in tension. Fracture modeling with a 3-D Grid Oriented Hydraulic Fracture Extension Replicator (GOHFER[®]) shows that there is a tectonic tension of approximately 400 psi in the Navajo Sandstone in D-4 and a tectonic compression of approximately 500 psi in D-3. We do not have any direct measure of the tectonic compression in the upper plate other than it has to be reasonably constant and higher than the highest value measured in the Navajo Sandstone.

Table 2 - Lithostatic Stress Calculations in Middle Anhydrite for Drunkard's Wash Disposal Wells

Reservoir Property	Well D-3	Well D-4
Average Depth (ft)	5200	5650
Pore Pressure (psi)	2028	2198
Lithostatic Stress (psi)	1425	1551

This is the minimum lithostatic stress since anhydrites are known to be somewhat plastic and therefore the effective Poisson's Ratio is significantly higher but cannot be determined from the logs. If the Poisson's Ratio is 0.5 then all the overburden stress is converted to horizontal stress and only one-third that value if Poisson's Ratio is 0.25.

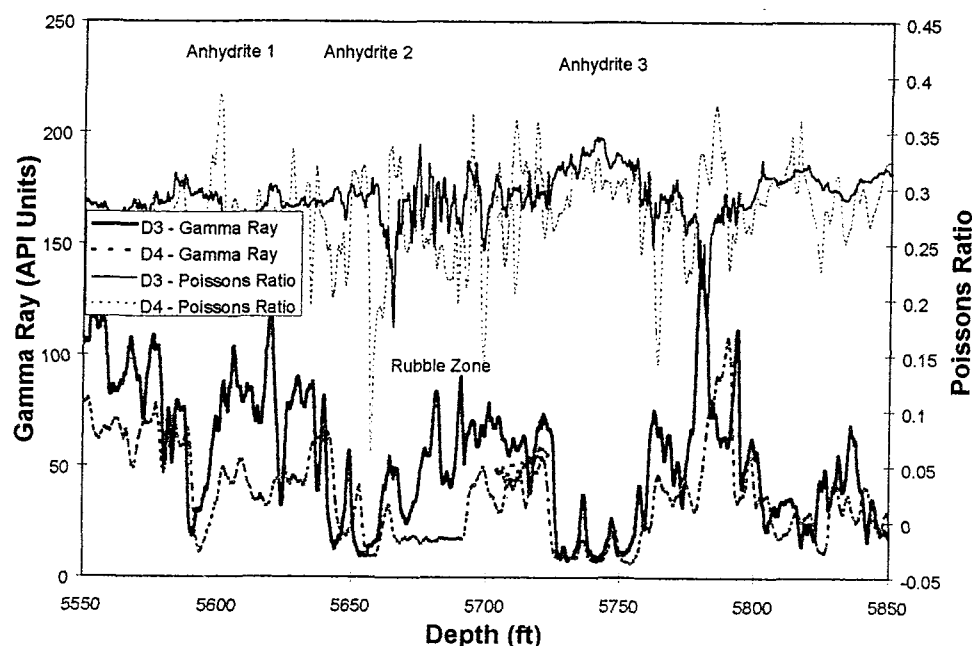


Figure 3

TECTONIC STRESS:

Characterization of the horizontal stress that arises because of tectonics is more difficult to quantify. In Drunkard's Wash, a review of the geology provided insight about horizontal stress component. When a lateral stress is applied to a rock mass it results in a strain that is translated into horizontal stress. The area has been tectonically active and is confirmed by the presence of a thrust fault in the vicinity of the Navajo Sandstone in D-3 at about 5200 ft and 5650 ft in D-4. These lateral slip faults are often difficult to detect because there is no vertical displacement. The FMI log run in D-3 confirmed the presence of a rubblized zone just below the middle anhydrite zone and confirmed the suspected repeat of the lower anhydrite section. When a horizontal stress is placed on heterogeneous, layered rock mass; the stiffer rocks (measured as higher Young's Modulus) will bear the majority of the load because they deform less. This is in fact the definition of Young's Modulus where strain equals change in length divided by the total length and Young's modulus is the slope of the stress-strain curve. This results in higher *in-situ* stress in the high modulus rocks. At some point in time, the tectonic stress from the

LITHOSTATIC STRESS:

The lithostatic stress arises from the weight of the overburden. The load placed on a particular rock layer by the weight of the overburden creates a horizontal stress. Poisson's ratio is a measure of the amount of horizontal stress created by the load. The lithostatic stress is equal to Poisson's ratio divided by $(1 - \text{Poisson's ratio})$ multiplied by the vertical stress. The Poisson's ratio measured by logs and in the laboratory is due to the elastic nature of rock. However, certain rock types, namely shales, coal and limestone behave like a plastic and there is some permanent deformation that creates additional horizontal stress. Therefore, the Dipole Sonic Log which measures only the elastic component of stress will typically calculate the minimum lithostatic stress. Furthermore, the Dipole Sonic Log cannot detect any of the tectonic component of total stress.

The log similarities between the wells is amazing even though D-3 and D-4 are separated by over 6 miles. Minor depth adjustments were made and Figure 2 shows the comparison of the gamma ray and bulk density logs. Measured from surface, the correlating zones in D-4 are approximately 450 ft deeper than D-3. The rubble zone which will be discussed more later is characterized by a low gamma ray and low bulk density and is 20 ft bigger in D-4 than D-3 but there is 20 less feet between anhydrite zones 2 and 3 in D4 compared to D3. These adjustments were made in Figure 2 to show the similarities when both wells when adjusted to the same elevation (based on D-4). The Poisson's Ratio comparison which is used to calculate lithostatic stress with the same depth adjustments is shown in Figure 3. The values are similar but the D-4 log is much more erratic which is due to the borehole irregularities. Unfortunately, the Dipole Sonic log is not borehole compensated and therefore the computed values are much less reliable when the borehole is washed out and irregular. The average Poisson's Ratio in the anhydrite zones is 0.31 which gives the lithostatic stress component for the middle anhydrite shown in Table 2 after all depth adjustments are made for pore pressure and overburden depth.

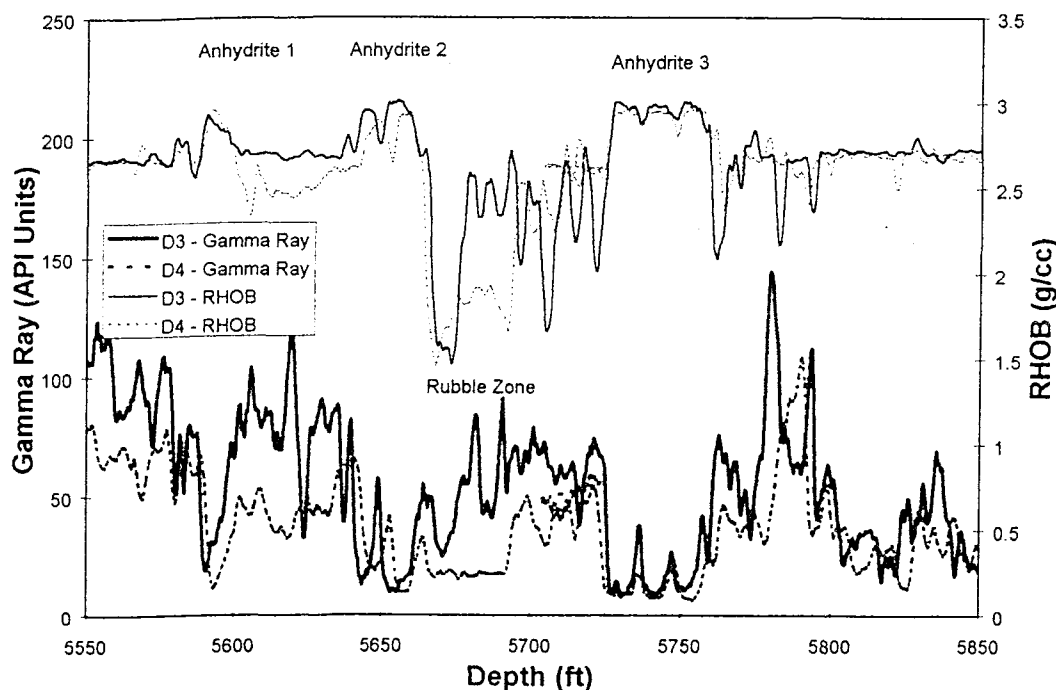


Figure 2

off tests show that the closure pressure is reasonably predictable and is 300-400 psi below the fracture extension pressure.

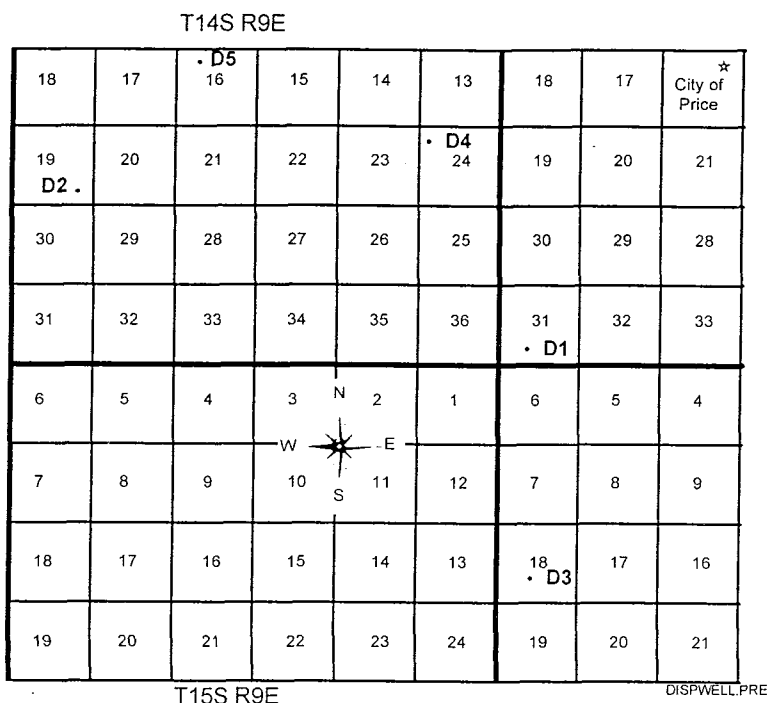


Figure 1 - Locations of the disposal wells in the River Gas, Drunkards Wash Project, Carbon County, Utah. The City of Price and township corners are shown for location and scale.

MINIMUM HORIZONTAL CLOSURE STRESS

The closure stress is computed from the *lithostatic stress + pore pressure + tectonic stress*. Each of these components were studied in detail for wells D-3 and D-4 where adequate information was available.

PORE PRESSURE:

The pore pressure in each well was determined from the analysis of the data from the fall-off test as well as the other pertinent reservoir properties. The data is given in Table 1.

Table 1 - Reservoir Properties for Drunkard's Wash Disposal Wells

Reservoir Property	Well D-3 ^a	Well D-4
Conductivity (md-ft)	264	960
Skin	-5.8	-3.9
Initial Reservoir Pressure (psi)	2394	2490
Top of Navajo (ft)	5532	5972

^aFall-off test conducted after the well had been hydraulically fractured

ANALYSIS OF STRESS PROFILE IN THE INJECTION WELLS AT DRUNKARDS WASH

Well D-3 was completed in late May 1996 and an extensive logging and testing program was conducted to identify the stress conditions present in the reservoir. Well D-4 was completed in August 1997 and well D-5 will be completed by September 1997. Wells D-1 and D-2 were re-entries and thus did not have a complete log suite available for analysis. The full log suite on wells D-3 and D-4 have allowed us to derive a consistent picture of the stress state in the area and understand the geological factors controlling the fracture parting pressure in the Navajo and Wingate sandstones.

The dipole sonic log is the principal log used to identify the rock properties which lead to the stress condition present in the reservoir. There are a number of factors which contribute to the total stress present in the reservoir. The most important are the lithostatic stress, tectonic stress and pore pressure. A clear understanding of the role of each is needed to understand the *in-situ* stresses. Unfortunately, the normal procedures used in the industry to calibrate stress logs is so far removed from first principals that it is difficult to apply reported results from one well to another. If carefully conducted and interpreted injection stress measurements are made in all lithologies present in the wellbore, then local correlations could be made with some log parameters to apply to other wells in the near vicinity of the research well. Unfortunately, the injection stress tests are prohibitively expensive and practically there is never enough test data available to apply this approach. By applying first principals to the dipole sonic log data, injection tests in the primary zone, and 3-D hydraulic fracture modeling studies, the stress state in the various strata present in the wellbore can be defined. The key question that is being addressed is to understand the containment mechanisms present that will ensure that fluids injected into the Navajo and Wingate sandstones are in fact contained.

Currently four, and soon five wells will have been completed and tested in the Navajo Sandstone in the Drunkards Wash area and the location is shown in Figure 1. The surface pressure required to extend a fracture in the Navajo Sandstone ranges from 425 psi in D-4 to 1475 psi in D-3. This represents the two extremes and the other wells have had intermediate stresses. The strongest containment possibility in the wellbore in all wells are the anhydrite zones that over lie the target injection zones. The goal was to understand the stress state in the anhydrite zones and the causes of stress variation in the sandstones.

There are two pressures related to fracturing that are traditionally measured. The easiest to measure is the fracture parting pressure (fracture extension pressure). This is the value obtained from analysis of the step-rate test and is defined as the pressure required to open a previously existing fracture but not generate new fracture area. The second is the fracture closure pressure which is also the minimum horizontal stress. This is much more difficult to determine accurately and is determined from the analysis of the decline pressure observed during the fall-off after injecting of fluid above parting pressure. This is also the value calculated from logs and needed for the 3-D hydraulic fracturing simulations. Fortunately, the computer simulations and pressure fall-

INJECTION WELL - INSPECTION RECORD

Well Name: FAUSETT D-5 API Number: 43-007-30351
Qtr/Qtr: NE/NW Section: 16 Township: 14S Range: 9E
Company Name: RIVER GAS CORPORATION
Lease: State _____ Fee _____ Federal _____ Indian _____
Inspector: DENNIS L. INGRAM Date: 04/06/00

Injection Type:

Disposal: WDW Enhanced Recovery: _____ Other: _____Injecting: YES Shut-In: _____Rate: 4410.0 (bpd) Totalizer: 213158 (bbls)Gauges: Tubing: YESCasing: YES Casing Pressure: 0 (psig)Tubing Pressure: 1150 (psig) Housekeeping: GOODEquipment Condition: GOODCOMMENTS: Barton meter with chart for tubing pressure—is inking and current.Two triplex pumps, only one is running. No pits on location, berm is adequate.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:

River Gas Corporation

3. Address and
Telephone Number:

6825 S. 5300 W. P.O. Box 851 Price, Utah 84501 (435) 613-9777

4. Location of Well
Footages:

QQ, Sec., T., R., M.:

SLB & M

5. Lease Designation and Serial Number:

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

9. API Well Number:

10. Field or Pool, or Wildcat:

County: Carbon County

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |
| Approximate date work will start _____ | |

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |
| Date of work completion _____ | |

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that River Gas Corporation is transferring ownership of the attached list of wells to Phillips Petroleum Company 9780 Mt. Pyramid Court, Englewood, CO 80112.

Please direct all correspondence and reports to: Phillips Petroleum Company P.O. Box 3368, Englewood, CO 80155-3368.

Effective 1/1/01.

13.

Name & Signature: Cal Hurtt



Title: Development Manager

Date: 12/19/00

(This space for state use only)

RGC/Phillips Merger

List of Affected BLM Leases and Rights-of-Way

A. Oil & Gas Leases

UTU-47157	UTU-70219	UTU-75016
UTU-49631	UTU-70400	UTU-75019
UTU-50645	UTU-71390	UTU-75021
UTU-51584	UTU-72003	UTU-75022
UTU-53872	UTU-72004	UTU-76332
UTU-57821	UTU-72350	UTU-76334
UTU-60402	UTU-72355	UTU-77351
UTU-60925	UTU-72358	UTU-77353
UTU-61154	UTU-72377	UTU-77354
UTU-61155	UTU-72470	UTU-78408
UTU-61158	UTU-72477	UTU-78409
UTU-61547	UTU-72624	UTU-78410
UTU-61548	UTU-72723	UTU-78411
UTU-62145	UTU-72724	UTU-78412
UTU-62276	UTU-72746	UTU-78413
UTU-65298	UTU-73004	UTU-78782
UTU-65300	UTU-73075	UTU-78783
UTU-65302	UTU-73330	UTU-79150
UTU-65303	UTU-73331	UTU-79151
UTU-67621	UTU-73523	UTU-79152
UTU-67839	UTU-73752	UTU-79153
UTU-67906	UTU-73884	UTU-79154
UTU-68314	UTU-74376	UTU-79155
UTU-69449	UTU-75015	UTU-79159

B. Rights-of-Way

UTU-73226	UTU-77141	UTU-77976
UTU-74319	UTU-77141-01	UTU-77989
UTU-74320	UTU-77151	UTU-77989-01
UTU-76610	UTU-77151-01	
UTU-76629	UTU-77154	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number	See Attached	API Number
Location of Well		Field or Unit Name
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 1/1/01

CURRENT OPERATOR

Company: River Gas Corporation Name: Cal Hurtt
Address: 1300 McFarland Blvd. NE, Suite 300 Signature: Cal Hurtt
city Tuscaloosa state AL zip 35406 Title: Development Supervisor
Phone: (205) 759-3282 Date: 12/19/00
Comments: Change in operatorship due to merger of River Gas Corporation into Phillips Petroleum Company effective 12/31/00 at 11:59 p.m.

NEW OPERATOR

Company: Phillips Petroleum Company Name: X Billy Stacy
Address: 9780 Mt. Pyramid Court Signature: Billy Stacy
city Englewood state CO zip 80112 Title: Asset Manager
Phone: (720) 344-4984 Date: 2-6-01
Comments: Please send all reports and correspondence to:
Phillips Petroleum Company
P.O. Box 3368
Englewood, CO 80155-3368

(This space for State use only)

Transfer approved by: [Signature]
Title: Field Services Manager

Approval Date: 2-21-01

Comments:

Disposal Wells to be transferred from RGC to Phillips Petroleum Company

Well #	API #	Location	Section	Township	Range
American Quasar D1	4300730040	999FSL, 1552 FWL	31	14S	10E
Arcadia-Telonis D2	4300730093	465 FSL, 560 FEL	19	14S	09E
Utah D3	4300730290	1600 FSL, 1530 FEL	18	15S	10E
Utah D4	4300730314	600 FNL, 500 FWL	24	14S	09E
Fausett D5	4300730351	467 FNL, 1461 FWL	16	14S	09E
Drew D6	4300730100	1300 FSL, 830 FWL	34	14S	09E
Utah D7	4301530338	1371 FSL, 1530 FEL	2	14S	09E
Utah D8	4300730431	1342 FNL, 350 FWL	12	15S	09E
Utah D9	4300730438	1960 FNL, 1487 FWL	32	14S	09E
RGC D10	4300730520	162 FNL, 1557 FEL	28	15S	09E
USA D11	4301530356	1513 FNL, 2437 FEL	13	16S	09E
Sampinos D14	4300730567	1695 FSL, 2133 FEL	16	15S	10E

LAW OFFICES
PRUITT, GUSHEE & BACHTELL

THOMAS W. BACHTELL
A. JOHN DAVIS, III
JOHN W. ANDERSON
FREDERICK M. MACDONALD
GEORGE S. YOUNG
ANGELA L. FRANKLIN
JOHN S. FLITTON
MICHAEL S. JOHNSON
WILLIAM E. WARD

SUITE 1850 BENEFICIAL LIFE TOWER
SALT LAKE CITY, UTAH 84111-1495
(801) 531-8446
TELECOPIER (801) 531-8468
E-MAIL: mail@pgblaw.com

SENIOR COUNSEL:
ROBERT G. PRUITT, JR.
OLIVER W. GUSHEE, JR.

OF COUNSEL:
ROBERT G. PRUITT, III
BRENT A. BOHMAN

January 29, 2001

HAND DELIVERED

Mr. Jim Thompson
Utah Division of Oil, Gas & Mining
1594 W. North Temple
Salt Lake City, UT 84116

Re: River Gas/Phillips Merger

Dear Mr. Thompson:

As you may know, River Gas Corporation ("RGC") merged into Phillips Petroleum Company ("Phillips") effective December 31, 2000 at 11:59 p.m. I have enclosed a Certificate of Articles of Merger issued by the Utah Department of Commerce and, although duplicative, a sundry notice formally evidencing the merger for your records, and a list of all wells, including injection wells, formerly operated by RGC.

Please change the Division's records to reflect the change in operator of these wells from RGC to Phillips. All operational questions should be directed to Phillips at the following address:

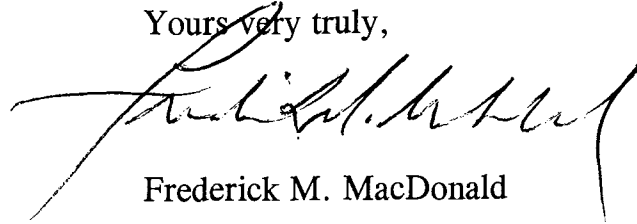
Phillips Petroleum Company
Attn: Billy Stacy, Operations Manager
P.O. Box 3368
Englewood, CO 80155-3368
Telephone No.: (720) 344-4984

Phillips currently has a bond on file with the Division (a copy of which is enclosed for your reference), but I understand an \$80,000 Letter of Credit is in the process of being substituted.

Mr. Jim Thompson
January 29, 2001
Page 2

On behalf of Phillips, I thank you for your cooperation. Should you have any further questions or concerns, please do not hesitate to contact me.

Yours very truly,

A handwritten signature in dark ink, appearing to read "Frederick M. MacDonald", with a long, sweeping horizontal stroke extending to the left.

Frederick M. MacDonald

FMM:cs
2078.16
Enclosures
cc: W. H. Rainbolt
Billy Stacy



Utah Department of Commerce
Division of Corporations & Commercial Code
160 East 300 South, 2nd Floor, Box 146705
Salt Lake City, UT 84114-6705
Phone: (801) 530-4849
Toll Free: (877) 526-3994 Utah Residents
Fax: (801) 530-6438
Web site: <http://www.commerce.state.ut.us>

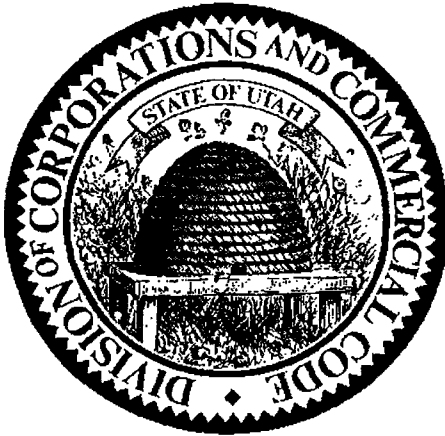
Registration Number: 562960-0143
Business Name: PHILLIPS PETROLEUM COMPANY
Registered Date: JUNE 14, 1946

01/12/01

CERTIFICATE OF ARTICLES OF MERGER

THE UTAH DIVISION OF CORPORATIONS AND COMMERCIAL CODE ("DIVISION") HEREBY CERTIFIES THAT

ARTICLES OF MERGER WERE FILED WITH THIS OFFICE ON DECEMBER 12, 2000 MERGING RIVER GAS CORPORATION, A CORPORATION OF THE STATE OF ALABAMA, INTO PHILLIPS PETROLEUM COMPANY, THE SURVIVING CORPORATION WHICH IS OF THE STATE OF DELAWARE, AS APPEARS OF RECORD IN THE OFFICE OF THE DIVISION.



Ric Campbell

Ric Campbell
Acting Division Director of
Corporations and Commercial Code

Dept. of Professional Licensing
(801)530-6628

Real Estate
(801)530-6747

Public Utilities
(801)530-6651

Securities
(801)530-6600

Consumer Protection
(801)530-6601

62W JOURNAL
00171191

State of Delaware
Office of the Secretary of State

PAGE 1

(TS)

12/13/2000
Date:
Receipt Number: 188532
Amount Paid: \$145.00

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"RIVER GAS CORPORATION", A ALABAMA CORPORATION,
WITH AND INTO "PHILLIPS PETROLEUM COMPANY" UNDER THE NAME OF "PHILLIPS PETROLEUM COMPANY", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE SIXTH DAY OF DECEMBER, A.D. 2000, AT 10 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2000, AT 11:59 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

12-12-00P04:02 RCVD

TAP
FILED

DEC 12 2000

Utah Div. Of Corp. & Comm. Code

State of Utah
Department of Commerce
Division of Corporations and Commercial Code
I hereby certify that the foregoing has been filed and approved on this 12 day of Dec 20 2000 in the office of this Division and hereby issue this Certificate thereof.

Examiner



RIC CAMPBELL
ACTING DIRECTOR



Edward J. Freel
Edward J. Freel, Secretary of State
AUTHENTICATION: 0837738

0064324 8100M

001609453

DATE: 12-07-00

CERTIFICATE OF OWNERSHIP AND MERGER

OF

RIVER GAS CORPORATION

(an Alabama corporation)

into

Phillips Petroleum Company

(a Delaware corporation)

It is hereby certified that:

1. Phillips Petroleum Company [hereinafter sometimes referred to as the "Corporation"] is a business corporation of the State of Delaware.

2. The Corporation is the owner of all of the outstanding shares of each class of stock of River Gas Corporation, which is a business corporation of the State of Alabama.

3. The laws of the jurisdiction of organization of River Gas Corporation permit the merger of a business corporation of that jurisdiction with a business corporation of another jurisdiction.

4. The Corporation hereby merges River Gas Corporation into the Corporation.

5. The following is a copy of the resolutions adopted on November 21, 2000 by the Board of Directors of the Corporation to merge the said River Gas Corporation into the Corporation:

"1. Phillips Petroleum Company, which is a business corporation of the State of Delaware and is the owner of all of the outstanding shares of River Gas Corporation, which is a business corporation of the State of Alabama, hereby merges River Gas Corporation into Phillips Petroleum Company pursuant to the provisions of the Alabama Business Corporation Act and pursuant to the

12-12-00P04:02 RCVD

provisions of Section 253 of the General Corporation Law of Delaware.

"2. The separate existence of River Gas Corporation shall cease at the effective time and date of the merger pursuant to the provisions of the Alabama Business Corporation Act; and Phillips Petroleum Company shall continue its existence as the surviving corporation pursuant to the provisions of Section 253 of the General Corporation Law of Delaware.

"3. The Articles of Incorporation of Phillips Petroleum Company are not amended in any respect by this Plan of Merger.

"4. The issued shares of River Gas Corporation shall not be converted or exchanged in any manner, but each said share which is issued immediately prior to the effective time and date of the merger shall be surrendered and extinguished.

"5. Each share of Phillips Petroleum Company outstanding immediately prior to the effective time and date of the merger is to be an identical outstanding share of Phillips Petroleum Company at the effective time and date of the merger.

"6. No shares of Phillips Petroleum Company and no shares, securities, or obligations convertible into such shares are to be issued or delivered under this Plan of Merger.

"7. The Board of Directors and the proper officers of Phillips Petroleum Company are hereby authorized, empowered, and directed to do any and all acts and things, and to make, execute, deliver, file, and/or record any and all instruments, papers, and documents which shall be or become necessary, proper, or convenient to carry out or put into effect any of the provisions of this Plan of Merger or of the merger herein provided for. "

" This Company approves that the effective time and date of the merger herein provided for in the State of Alabama shall be 11:59 p.m. on December 31, 2000."

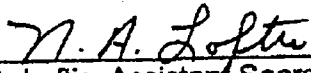
"Any Vice President, the Treasurer, any Assistant Treasurer, the Secretary, any Assistant Secretary, and each of them severally, be and hereby is authorized to make, execute,

deliver, file, and/or record any and all instruments, papers, and documents which shall be or become necessary, proper, or convenient to carry out or put into effect any of the provisions of these resolutions and to do or cause to be done all such acts as are necessary to give effect to the purpose and intent of the approval herein set forth."

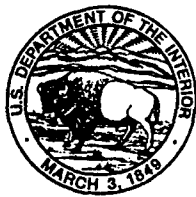
6. This Certificate of Ownership and Merger shall be effective at 11:59 p.m. on December 31, 2000.

Executed on November 27, 2000

Phillips Petroleum Company



N. A. Loftis, Assistant Secretary



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3106
UTU-47157 et al
(UT-932)

JAN 30 2001

NOTICE

Phillips Petroleum Company : Oil and Gas
Attn: W. H. Rainbolt, Rocky Mtn. Region-Land :
Box 1967 :
Houston, TX 77251-1967 :

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of River Gas Corporation into Phillips Petroleum Company with Phillips Petroleum Company being the surviving entity.

The oil and gas lease files and rights-of-way files identified on the enclosed exhibit have been noted as to the merger. The exhibit is the list supplied by the representative of the companies, and verified by our computerized records. We have not adjudicated the case files to determine if the entity affected by the merger holds an interest in the leases identified, nor have we attempted to identify leases where the entity is the operator on the ground, maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable BLM offices of the merger by a copy of this notice. If additional documentation for a change of operator is required by our Field Offices, you will be contacted by them.

By recognition of the merger the obligor is automatically changed by operation of law from River Gas Corporation to Phillips Petroleum Company on Letter of Credit No. P-207337 (BLM Bond No. UT0829). A rider to BLM Bond No. ES0048 assuming any and all liabilities of BLM Bond No. UT0829 must be submitted for approval to the Eastern States Office, Attn: Bill Forbes, 7450 Boston Boulevard, Springfield, VA 22153. After the rider is approved, the Letter of Credit will be returned to the financial institution that issued it.

ROBERT LOPEZ

Robert Lopez
Chief, Branch of
Minerals Adjudication

Enclosure
Exhibit of Leases

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FEB 02 2001

DIVISION OF
OIL, GAS AND MINING

cc: Moab Field Office
Vernal Field Office
Price Field Office
MMS-Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC, UT 84114
The Chase Manhattan Bank, Attn: Standby Letter of Credit Dept., 4 Chase Metrotech Center, 8th Floor
Brooklyn, NY 11245
Teresa Thompson (UT-931)
LaVerne Steah (UT-942)
Pruitt, Gushee & Bachtell, Attn: Frederick M. MacDonald, Suite 1850 Beneficial Life Tower,
Salt Lake City, Utah 84111-1495
BLM, Eastern States Office (Attn: Bill Forbes)

OPERATOR CHANGE WORKSHEET**ROUTING**

1. GLH	<input checked="" type="checkbox"/>	4-KAS	<input checked="" type="checkbox"/>
2. CDW		5- ST	<input checked="" type="checkbox"/>
3. JLT		6-FILE	

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X MergerThe operator of the well(s) listed below has changed, effective: **12-31-2000**

FROM: (Old Operator):
RIVER GAS CORPORATION
Address: 6825 S. 5300 W. P. O. BOX 851
PRICE, UT 84501
Phone: 1-(435)-613-9777
Account N1605

TO: (New Operator):
PHILLIPS PETROLEUM COMPANY
Address: P. O. BOX 3368
ENGLEWOOD, CO 80155-3368
Phone: 1-(720)-344-4984
Account N1475

CA No.**Unit: DRUNKARDS WASH****WELL(S)**

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
FAUSETT D5	43-007-30351	12165	16-14S-09E	Fee	SWD	A
ARCADIA-TELONIS 1 (D-2)	43-007-30093	99990	19-14S-09E	Fee	SWD	A
UTAH D-4	43-007-30314	11256	24-14S-09E	State	SWD	A
UTAH M-1	43-007-30199	11256	26-14S-09E	State	SWD	A
UTAH D-9	43-007-30438	12771	32-14S-09E	State	SWD	A
USA D6	43-007-30100	12466	34-14S-09E	Federal	SWD	A
DRUNKARDS WASH 31-1 (D-1)	43-007-30040	11256	31-14S-10E	State	SWD	A
UTAH D8	43-007-30431	11256	12-15S-09E	State	SWD	A
RGC D-10	43-007-30520	12545	28-15S-09E	Fee	SWD	A
UTAH M-2	43-007-30066	2889	34-15S-09E	Federal	TW	A
SAMPINOS D-14	43-007-30567	12729	16-15S-10E	Fee	SWD	A
UTAH D-3	43-007-30290	11256	18-15S-10E	State	SWD	A
UTAH D7	43-015-30338	12404	02-16S-09E	State	SWD	A
D-11	43-015-30356	12572	13-16S-09E	Federal	SWD	A

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 01/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 01/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 02/15/2001

4. Is the new operator registered in the State of Utah: YES Business Number: 562960-0143
5. If **NO**, the operator was contacted contacted on: _____
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 01/30/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC") Pro:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 02/22/2001

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 02/20/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 02/20/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: 5952189

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: P-207328
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 2.22.01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS:



Re: Notice of Address Change, Merger and Name Change
Address Change effective **December 2, 2002**
Merger and Name Change effective **December 31, 2002**

Divisions of Oil, Gas, and Mining
Attn: Mr. John Baza
1594 West North Temple,
Suite 1210, P. O. Box 145801
Salt Lake City, UT 84114-5801

Gentlemen:

1. Effective December 2, 2002, Phillips Petroleum Company will close its Englewood, Colorado Rocky Mountain Region office. After that time, all correspondence, notices and invoice for Land related matters should be directed to the address(es) noted below. Note that until December 31, 2002, all properties in which Phillips held an interest will continue to be operated by Phillips Petroleum Company, a wholly-owned subsidiary of ConocoPhillips.

2. On December 31, 2002, Phillips Petroleum Company and Conoco Inc. will merge, and the surviving corporation will be renamed "ConocoPhillips Company".

In accordance with the notice provisions of the Operating Agreements and other agreements, if any, between our companies, please adjust your company/organization records, effective for address purposes as of December 2, 2002, and for company name purposes, as of January 1, 2003, to reflect the following information for addressing and delivery of notices, invoicing and payment, and communications with ConocoPhillips Company. This will also apply to Lease Sale notices and other lease-related correspondence and notifications.

U.S. Mail Address:

ConocoPhillips Company
P.O. Box 2197
Houston, Texas 77252
Attn: Chief Landman,
San Juan/Rockies

Physical Address & Overnight Delivery:

ConocoPhillips Company
550 Westlake Park Blvd.
Three Westlake Park
3WL, Room WL 9000
Houston, Texas 77079
Attn: Chief Landman,
San Juan/Rockies

All ballots and official notices/responses sent by facsimile transmission should be sent to the following contact:

Attn: Chief Landman,
San Juan/Rockies

Fax No.: 832-486-2688 or
832-486-2687

Please contact the undersigned immediately if you have any questions. This notice does not apply to royalty inquiries, joint interest billings, or revenue remittances. Please continue to use the same addresses you are currently using for these matters

Sincerely,

William Rainbat

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DEC 02 2002

DIVISION OF
OIL, GAS AND MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

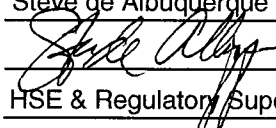
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

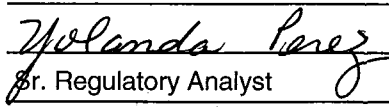
Well Name and Number See Attached List	API Number See List
Location of Well Footage : See Attached List County : QQ, Section, Township, Range:	Field or Unit Name Lease Designation and Number
State : UTAH	

EFFECTIVE DATE OF TRANSFER: 1/1/2003


CURRENT OPERATOR

Company: Phillips Petroleum Company
Address: 980 Plaza Office
city Bartlesville state OK zip 74004
Phone: (918) 661-4415
Name: Steve de Albuquerque
Signature: 
Title: HSE & Regulatory Supervisor
Date: 12/30/2002
Comments: Conoco Inc. and Phillips Petroleum Company merged to form ConocoPhillips Company. Please see attached list of wells effected by name change.

NEW OPERATOR

Company: ConocoPhillips Company
Address: P. O. Box 2197, WL3 4066
city Houston state TX zip 77252
Phone: (832) 486-2329
Name: Yolanda Perez
Signature: 
Title: Sr. Regulatory Analyst
Date: 12/30/2002
Comments: Conoco Inc. and Phillips Petroleum Company merged to form ConocoPhillips Company. Please see attached list of wells effected by name change.

(This space for State use only)

Transfer approved by: 
Title: Tech. Services Manager

Approval Date: 2-3-03

Comments: D5, D2 + D3 are due for MIT.

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JAN 08 2003

DIV. OF OIL, GAS & MINING

UIC Well List

SWD WELLS							
api	well_name	section	township	range	well_type	well_status	lease_type
4300730093	ARCADIA-TELONIS 1 (D-2)	19	140S	090E	WD	A	FEE
4301530356	D-11	13	160S	090E	WD	A	FEDERAL
4300730040	DRUNKARDS WASH 31-1 (D-1)	31	140S	100E	WD	A	STATE
4300730351	FAUSETT D5	16	140S	090E	WD	A	FEE
4301530531	PPCO D13	30	160S	090E	WD	DRL	FEE
4300730520	RGC D-10	28	150S	090E	WD	A	FEE
4300730567	SAMPINOS D-14	16	150S	100E	WD	A	FEE
4300730100	USA D6	34	140S	090E	WD	A	FEDERAL
4300730819	UTAH D15	34	130S	090E	WD	APD	STATE
4300730290	UTAH D-3	18	150S	100E	WD	A	STATE
4300730314	UTAH D-4	24	140S	090E	WD	A	STATE
4301530338	UTAH D7	02	160S	090E	WD	A	STATE
4300730431	UTAH D8	12	150S	090E	WD	A	STATE
4300730438	UTAH D-9	32	140S	090E	WD	A	STATE
4300730199	UTAH M-1	26	140S	090E	TW	A	STATE
4300730066	UTAH M-2	34	150S	090E	TW	A	FEDERAL

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DIV. OF OIL, GAS & MINING

List of Produced Water Ponds/Pits

	Permit/ License No.	State/Federal		Immediate Name Change Required		Other Immediate Actions Required*		Agency	Agency Contact Name	Agency Contact Number
		S	F	Y	N	Y	N			
1	EVAPORATION POND	X		X				Utah Dept of Natural Resources, Dept. of Oil Gas and Mining	Gil Hunt	(801) 538-5340
2	D-1 POND	X		X				Utah Dept of Natural Resources, Dept. of Oil Gas and Mining	Gil Hunt	(801) 538-5340
3	D-2 (C-2) POND	X		X				Utah Dept of Natural Resources, Dept. of Oil Gas and Mining	Gil Hunt	(801) 538-5340
4	D-3 POND	X		X				Utah Dept of Natural Resources, Dept. of Oil Gas and Mining	Gil Hunt	(801) 538-5340
* Describe: OPERATIONAL PERMITS FOR PRODUCED WATER PONDS										

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DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>All</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 980 Plaza Office CITY Bartlesville STATE OK ZIP 74004		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached List		8. WELL NAME and NUMBER: See Attached List
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: See List
COUNTY:		10. FIELD AND POOL, OR WILDCAT:
STATE: UTAH		

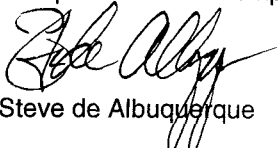
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

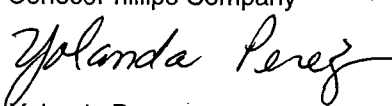
Conoco Inc. was merged into Phillips Petroleum Company, the surviving corporation, on December 31, 2002. In connection with this merger and effective on the same date, the name of the surviving corporation was changed to "ConocoPhillips Company". We are requesting that a new Operator Number be assigned to ConocoPhillips Company.

Please send production reporting forms to Herb Henderson at ConocoPhillips Company, 315 S. Johnstone, 980 Plaza Office, Bartlesville, OK 74004. Herb's phone number is 918-661-4415.

Current Operator
Phillips Petroleum Company


Steve de Albuquerque


New Operator
ConocoPhillips Company


Yolanda Perez

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DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>Yolanda Perez</u>	TITLE <u>Sr. Regulatory Analyst</u>
SIGNATURE 	DATE <u>12/30/2002</u>

(This space for State use only)



SECRETARY'S CERTIFICATE

I, the undersigned, Jennifer M. Garcia, Assistant Secretary of ConocoPhillips Company, formerly Phillips Petroleum Company, organized and existing under and by virtue of the laws of the State of Delaware (the "Corporation"), hereby certify that:

1. As Assistant Secretary I am authorized to execute this certificate on behalf of the Corporation.
2. The attached photocopy of the Certificate of Amendment to the Restated Certificate of Incorporation of Phillips Petroleum Company (to be renamed ConocoPhillips Company) is a true and correct copy as filed in the office of the Secretary of State of Delaware on the 12th day of December 2002, with an effective date of January 1, 2003 and such Certificate of Amendment has not been modified, amended, rescinded or revoked and is in full force and effect as of the date hereof.
3. The attached photocopy of the Certificate of Merger of Conoco Inc. with and into ConocoPhillips Company is a true and correct copy as filed in the office of the Secretary of State of Delaware on the 12th day of December 2002, with an effective date of December 31, 2002 and such Certificate of Merger has not been modified, amended, rescinded or revoked and is in full force and effect as of the date hereof.

IN WITNESS WHEREOF, I have hereunto set my hand as Assistant Secretary and affixed the corporate seal of the Corporation this 7th day of January 2003.

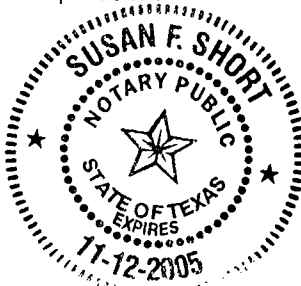

Assistant Secretary
ConocoPhillips Company

STATE OF TEXAS

§
§
§

COUNTY OF HARRIS

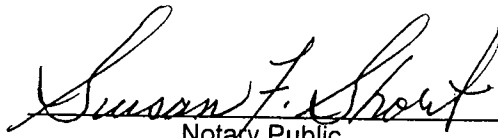
This instrument was acknowledged before me on January 7, 2003, by Jennifer M. Garcia, Assistant Secretary of ConocoPhillips Company, a Delaware corporation, on behalf of said Corporation.



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JAN 08 2003

DIV. OF OIL, GAS & MINING


Notary Public

Delaware

PAGE 1

The First State

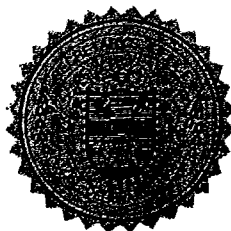
I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PHILLIPS PETROLEUM COMPANY", CHANGING ITS NAME FROM "PHILLIPS PETROLEUM COMPANY" TO "CONOCOPHILLIPS COMPANY", FILED IN THIS OFFICE ON THE TWELFTH DAY OF DECEMBER, A.D. 2002, AT 1:41 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF AMENDMENT IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2002, AT 11 O'CLOCK P.M.

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JAN 08 2003

DIV. OF OIL, GAS & MINING



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2183360

0064324 8100

030002793

DATE: 01-02-03

FROM RL&F#1

(THU) 12.12.02 13:32/ST. 13:54:46
STATE OF DELAWARE
SECRETARY OF STATE 5
DIVISION OF CORPORATIONS
FILED 01:41 PM 12/12/2002
020763238 - 0064324

CERTIFICATE OF AMENDMENT

to the

RESTATED CERTIFICATE OF INCORPORATION

of

PHILLIPS PETROLEUM COMPANY (to be renamed ConocoPhillips Company)

Phillips Petroleum Company ("Phillips"), a corporation organized and existing under the General Corporation Law of the State of Delaware (the "DGCL"), hereby certifies that:

1. The amendments to Phillips' Restated Certificate of Incorporation set forth below were duly adopted in accordance with the provisions of Section 242 of the DGCL and have been consented to in writing by the sole stockholder of Phillips in accordance with Section 228 of the DGCL.

2. Phillips' Restated Certificate of Incorporation is hereby amended by deleting Article I thereof and replacing in lieu thereof a new Article I reading in its entirety as follows:

"The name of the corporation (which is hereinafter referred to as the "Corporation") is ConocoPhillips Company."

3. Phillips' Restated Certificate of Incorporation is hereby amended by deleting Section 1 of Article IV thereof and replacing in lieu thereof a new Section 1 reading in its entirety as follows:

"Section 1. The Corporation shall be authorized to issue 2,100 shares of capital stock, of which 2,100 shares shall be shares of Common Stock, \$.01 par value ("Common Stock")."

4. Pursuant to Section 103(d) of the DGCL, this amendment will become effective at 11:00 p.m., Eastern time, on December 31, 2002.

HOU03:884504.1

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JAN 08 2003

DIV. OF OIL, GAS & MINING

FROM RL&F#1

(THU) 12.12.02 13:32/ST. 13:31/NO. 4864756279 P 6

IN WITNESS WHEREOF, Phillips has caused this certificate to be executed this
12th day of December, 2002.

PHILLIPS PETROLEUM COMPANY

W7

By: _____

Name:

Rick A. Harrington

Title:

Senior Vice President, Legal,
and General Counsel

HOU03:884504.1

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JAN 08 2003
DIV. OF OIL, GAS & MINING

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"CONOCO INC.", A DELAWARE CORPORATION,

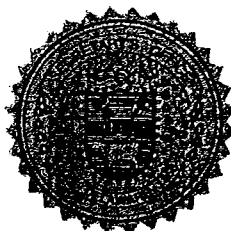
WITH AND INTO "CONOCOPHILLIPS COMPANY" UNDER THE NAME OF "CONOCOPHILLIPS COMPANY", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWELFTH DAY OF DECEMBER, A.D. 2002, AT 1:44 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2002, AT 11:59 O'CLOCK P.M.

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DIV. OF OIL, GAS & MINING



0064324 8100M

030002793

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2183370

DATE: 01-02-03

CERTIFICATE OF MERGER

of

Conoco Inc.
(a Delaware corporation)

with and into

ConocoPhillips Company
(a Delaware corporation)

Phillips Petroleum Company, a Delaware corporation to be renamed ConocoPhillips Company prior to the effective time of this certificate of merger (the "Surviving Corporation"), in compliance with the requirements of the General Corporation Law of the State of Delaware (the "DGCL") and desiring to effect a merger of Conoco Inc., a Delaware corporation formerly incorporated under the name Du Pont Holdings, Inc. (the "Merging Corporation," and together with the Surviving Corporation, the "Constituent Corporations"), with and into the Surviving Corporation, and acting by its duly authorized officer, DOES HEREBY CERTIFY that:

First: As of the date hereof, the name and state of incorporation of each of the Constituent Corporations of the merger are as follows:

<u>NAME</u>	<u>STATE OF INCORPORATION</u>
PHILLIPS PETROLEUM COMPANY	Delaware
CONOCO INC.	Delaware

Second: An agreement and plan of merger has been approved, adopted, certified, executed and acknowledged by each of the Constituent Corporations in accordance with the requirements of Section 251 of the DGCL;

Third: The name of the Surviving Corporation will be ConocoPhillips Company;

Fourth: The Certificate of Incorporation of ConocoPhillips Company immediately prior to the merger shall be the Certificate of Incorporation of the Surviving Corporation until such time as it may be amended in accordance with applicable law and the provisions thereof;

Fifth: The executed agreement and plan of merger is on file at an office of the Surviving Corporation, the address of which is 600 North Dairy Ashford, Houston, Texas 77079;

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JAN 08 2003

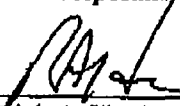
DIV. OF OIL, GAS & MINING

Sixth: A copy of the agreement and plan of merger will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of any Constituent Corporation; and

Seventh: Pursuant to Section 103(d) of the DGCL, this certificate of merger will become effective at 11:59 p.m., Eastern time, on December 31, 2002.

Dated: December 12, 2002

PHILLIPS PETROLEUM COMPANY
(a Delaware corporation)

WJ
By: 
Name: Rick A. Harrington
Title: Senior Vice President, Legal,
and General Counsel

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DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF COMMERCE
REGISTRATION

CONOCOPHILLIPS COMPANY

EFFECTIVE
06/14/1946

EXPIRATION
*RENEWAL

REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)

Corporation - Foreign - Profit
562960-0143

UNITED STATES CORP CO
CONOCOPHILLIPS COMPANY
GATEWAY TOWER EAST STE 900
10 EAST SOUTH TEMPLE
SLC UT 84133

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JAN 08 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF COMMERCE
DIVISION OF CORPORATIONS & COMMERCIAL CODE
REGISTRATION

EFFECTIVE DATE: 06/14/1946
EXPIRATION DATE: *RENEWAL
ISSUED TO: CONOCOPHILLIPS COMPANY



REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)
562960-0143 Corporation - Foreign - Profit

*RENEWAL

You will need to renew your registration each anniversary date of the effective date.
Exceptions: DBAs and Business Trusts renew every three (3) years from the effective date.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Eastern States Office
7450 Boston Boulevard
Springfield, Virginia 22153

IN REPLY REFER TO
3106.8(932.34)WF

January 16, 2003

NOTICE

ConocoPhillips Company	:	Oil & Gas Leases
P.O. Box 7500	:	
Bartlesville, Oklahoma 74005	:	

Merger/Name Change Recognized

Acceptable evidence was received in this office on January 14, 2003, concerning the change of name of Phillips Petroleum Company to **ConocoPhillips Company** and the merger of **Conoco Incorporated** into **ConocoPhillips Company** on Federal oil and gas leases, with **ConocoPhillips Company** being the surviving entity.

The Secretary of the State of Delaware certified the effective date of this merger effective December 31, 2002.

The oil and gas lease files identified on the enclosed exhibit have been noted to the merger. The exhibit was compiled from a list of leases obtained from your list of leases. Eastern States has not abstracted the lease files to determine if the entities affected by this merger hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of this merger and name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify other leases in which the merging entity maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

By Operation of law the name of the principal on Nationwide Oil and Gas Bond held by Conoco Incorporated (ES0085) has been changed to ConocoPhillips Company.

If you have any questions, please contact Bill Forbes at 703-440-1536.

S/ Wilbert B. Forbes

Wilbert B. Forbes
Land Law Examiner
Branch of Use Authorization
Division of Resources Planning, Use
and Protection

bc: JFO, BLM State Offices, MMS, ES RF, 930 RF, ES-932:
Bforbes:wbf:01/16/03:440-1536/ConocoPhillips Co

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH ✓
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

X MergerThe operator of the well(s) listed below has changed, effective: **12-31-02****FROM:** (Old Operator):

PHILLIPS PETROLEUM COMPANY

Address: 980 Plaza Office

Bartlesville, OK 74004

Phone: 1-(918)-661-4415

Account No. N1475

TO: (New Operator):

CONOCOPHILLIPS COMPANY

Address: P O BOX 2197, WL3 4066

HOUSTON, TX 77252

Phone: 1-(832)-486-2329

Account No. N2335

CA No.

Unit:

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
UTAH D-15	34-13S-09E	43-007-30819	99999	STATE	SWD	APD
FAUSETT D-5	16-14S-09E	43-007-30351	12165	FEE	SWD	A
ARCADIA-TELONIS 1 (D-2)	19-14S-09E	43-007-30093	99990	FEE	SWD	A
UTAH D-4	24-14S-09E	43-007-30314	11256	STATE	SWD	A
UTAH M-1	26-14S-09E	43-007-30199	11256	STATE	TW	A
UTAH D-9	32-14S-09E	43-007-30438	12771	STATE	SWD	A
USA D-6	34-14S-09E	43-007-30100	12466	FEDERAL	SWD	A
UTAH D-8	12-15S-09E	43-007-30431	11256	STATE	SWD	A
RGC D-10	28-15S-09E	43-007-30520	12545	FEE	SWD	A
UTAH M-2	34-15S-09E	43-007-30066	2889	FEDERAL	TW	A
DRUNKARDS WASH 31-1 (D-1)	31-14S-10E	43-007-30040	11256	STATE	SWD	A
SAMPINOS D-14	16-15S-10E	43-007-30567	12729	FEE	SWD	A
UTAH D-3	18-15S-10E	43-007-30290	11256	STATE	SWD	A
UTAH D-7	02-16S-09E	43-015-30338	12404	STATE	SWD	A
D-11	13-16S-09E	43-015-30356	12572	FEDERAL	SWD	A
PPCO D13	30-16S-09E	43-015-30531	99999	FEE	SWD	DRL

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 01/08/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 01/08/2003
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 02/03/2003
- Is the new operator registered in the State of Utah: YES Business Number: 562960-0143
- If **NO**, the operator was contacted on: _____

6. (R649-9-2) Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 01/14/2003

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 01/14/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: 01/14/2003

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 02/04/2003

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 02/03/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 02/03/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 8140-60-24

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 8015-16-69

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 6196922
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

INJECTION WELL - PRESSURE TEST

Well Name: <u>Fausett D-5</u>	API Number: <u>43-007-30351</u>
Qtr/Qtr: <u>NENW</u> Section: <u>16</u>	Township: <u>14S</u> Range: <u>9E</u>
Company Name: <u>ConnocoPhillips</u>	
Lease: State _____ Fee <u>X</u>	Federal _____ Indian _____
Inspector: <u>Mark J Jones</u>	Date: <u>April 14, 2004</u>

Initial Conditions: 0-2200 BBL/DAY
 Tubing - Rate: ~~Injecting~~ periodically Pressure: 0-400 # psi
 Casing/Tubing Annulus - Pressure: ? psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1350 #</u>	_____
5	_____	_____
10	_____	_____
15	_____	_____
20	_____	_____
25	_____	_____
30	<u>600 #</u>	_____

Results: Pass/Fail (Fail)

Conditions After Test:

Tubing Pressure: 250 psi
 Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: Well would not hold psi. tried multiple times.
to hold 1350#. Bled to 0# in 1 1/2 hrs.

Mike Ward, JT Day
 Operator Representative

4/15/04 Monitored tubing & Annulus pressures w/ Mike Ward (ConnocoPhillips)
 for 1 1/2 hrs. Pressures

<u>static tubing</u>	<u>Injecting tubing</u>
tubing = <u>275 #</u>	tubing = <u>300-375 #</u>
Annulus = <u>0 #</u>	Annulus = <u>0 #</u>

* Annulus to be monitored & recorded daily

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <u>WLD</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: Private
2. NAME OF OPERATOR: ConocoPhillips Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: P.O. Box 851 CITY Price STATE UT ZIP 84501		7. UNIT or CA AGREEMENT NAME: Drunkards Wash UTU-67921X
4. LOCATION OF WELL FOOTAGES AT SURFACE: 467' FNL, 1461' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 16 T14 R09 S		8. WELL NAME and NUMBER: Fausett D-5 9. API NUMBER: 4300730351 10. FIELD AND POOL, OR WILDCAT: Drunkards Wash
		COUNTY: Carbon STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input checked="" type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The Fausett D-5 disposal well failed the required Mechanical Integrity Test in May of 2004. At this time, ConocoPhillips received temporary approval from DOGM to continue injecting into the well, contingent upon daily monitoring to the well's annular pressure. Since that time, no annular pressure has been seen.

A radioactive tracer survey was run on the well on 6/29/04 in the presence of Mark Jones of the DOGM. The survey indicated no flow outside of the 7" production casing or into the 4 1/2" by 7" annulus above the packer set at 6954'. All indications are that the 4 1/2" tubing is sound. The well is currently injecting an average of 2200 bwpd and injection pressure is between 350-500 psi. The well services water from a limited area where the water production is falling off at a rate of 25% per year.

At this time, ConocoPhillips requests that we be allowed to continue injecting into the well under the current circumstances and conditions without performance of remedial work on the 7" production casing.

ORIGINAL

CONFIDENTIAL

NAME (PLEASE PRINT) Frankie Hathaway TITLE Sr. Planning, Compliance & HSE Assistant
SIGNATURE Frankie Hathaway DATE 7/6/2004

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE 7/5/04
BY: [Signature]
(See Instructions on Reverse Side)
* See Conditions of Approval (Attached)

RECEIVED

JUL 12 2004

DIV. OF OIL, GAS & MINING



State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

CONDITIONS OF APPROVAL For Variance to MIT

Well Name and Number: Fausett D-5
API Number: 43-007-30351
Operator: ConocoPhillips Company
Reference Document: Original Sundry Notice dated July 6, 2004,
received by DOGM on July 12, 2004

Justifications for variance

1. There are no known aquifers in the area
2. Currently there is zero psi on casing and daily monitoring over the last couple of months has shown that there hasn't been any pressure on the casing.
3. Tracer survey showed no flow outside the 7" production string or above the packer in the 4 1/2" by 7" annulus. This indicates the tubing and packer are mechanically sound at this point.

Approval Conditions:

1. Notify the Division immediately if pressure on annulus is encountered or flow is shown to not be contained in the approved injection zone. Please call Mark Jones at 435-820-8504.
2. Operator shall monitor pressures on a daily basis and report them to the division monthly on UIC Form 3 – Monthly Injection Report.
3. A radioactive tracer survey shall be run on a yearly basis to ensure containment of fluids to the approved injection interval (Next survey Due by July 1, 2005).
4. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet
Petroleum Engineer

July 15, 2004

Date

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Water Disposal Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: CONOCOPHILLIPS COMPANY		7. UNIT or CA AGREEMENT NAME: DRUNKARDS WASH
3. ADDRESS OF OPERATOR: P.O. Box 51810, Midland, TX, 79710 1810		8. WELL NAME and NUMBER: FAUSETT D5
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0467 FNL 1461 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 16 Township: 14.0S Range: 09.0E Meridian: S		9. API NUMBER: 43007303510000
PHONE NUMBER: 432 688-6943 Ext		9. FIELD and POOL or WILDCAT: DRUNKARDS WASH
COUNTY: CARBON		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/16/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:
OTHER: <input style="width: 100px;" type="text" value="Injection Profile"/>				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 9/16/2014, a RA tracer survey/injectivity profile was done on the above well to determine intervals of injection and if any channeling was occurring above the approved injection zone. A portion of the log that indicates the results is attached. The full log was submitted by the logging company. An MIT was due on this well in October 2014. Operations discussed the use of the tracer survey as a method to prove integrity with the DOGM representative and received approval as such.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

FOR RECORD ONLY

January 27, 2015

NAME (PLEASE PRINT) Donna Williams	PHONE NUMBER 432 688-6943	TITLE Sr. Regulatory Specialist
SIGNATURE N/A	DATE 1/13/2015	

Company		CONOCOPHILLIPS	
Well		FAUSETT D-5	
Field		DRUNKARDS WASH	
County		CARBON	
State		UTAH	
Location:		API #:	
SEC		TWP	
RGE		Elevation	
Permanent Datum		KB	
Log Measured From		D.F.	
Drilling Measured From		G.L.	
Date	16-SEPT-2014		
Run Number	ONE		
Depth Driller	7565		
Depth Logger	7400' G.D.A.		
Bottom Logged Interval	7400'		
Top Log Interval	6900'		
Open Hole Size	WATER		
Type Fluid			
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	VERNAL		
Location	J.R. HACKING		
Recorded By	MR. JASON BENNETT		
Witnessed By			
Borehole Record			
Run Number	Bit	From	To
		4 1/2"	116#
		ON/OFF	TOOL
		PACKER	6954'
		X-N	NIPPLE
			6972'
			6974'
			Bottom
Casing Record	Size	Weight	From
Surface String			0
Prod String	7"	26#	0
Production String			7565'
Liner			

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy of interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are subject to the general terms and conditions set out in our current Price Schedule.

Comments

THANK-YOU FOR USING PRODUCTION LOGGING SERVICES

REMARKS: Ran radioactive water tracer surveys to determine intervals of injection and to channeling above injection zone.

Found no indication of channeling above the top perforated interval at 7010'-7180' R/A water tracer surveys check top perforated interval at 7010'-7180' and packer O.K.

Found fluid exit through intervals shown

Perforated Interval:	% Fluid Exit	Distance from Ejector Port to
7010'-7180'	0%	
7189'-7259'	47%	
7262'-7316'	33%	
7320'-7336'	11%	
7350'-7356'	4%	
7362'-7374'	5%	
7440'-7457'	0%	
7464'-7486'	0%	

Sundry Number: 59811 API Well Number: 43007303510000

7262'-7316'	33%
7320'-7336'	11%
7350'-7356'	4%
7362'-7374'	5%
7440'-7457'	0%
7464'-7486'	0%

REMARKS: Tubing Pressure - 350 P.S.I.
 Casing Pressure - 0 P.S.I.
 P.L.S. Downhole Injection Rate - 7776 B/D
 All Depths Correlated to- P.L.S. INJECTION PROFILE DATED 10-09-09

Due to slow movement of fluid inside casing and length of injection zones, several I-131 radioactive water tracer were injected into the casing to obtain fluid velocity between perforated intervals.

Radioactive tracer slug #1 was injected into the flowstream just below the tubing packer at- 6990'

This slug was then logged on Depth VS. Time as it moved downhole past the perforated interval at- 7010'-7180'

This was done to check for channeling above the injection zone. R/A tracer at perforated interval and packer OK.

All Radioactive tracer slugs were injected into the wellbore between perforate to obtain fluid velocities for fluid injection percentage exit profile.

Radioactive tracer used was I-131 radioactive water tracer. All gamma ray survey ran at 50'-60' per minute with the time constant set at 1.

REMARKS: RAN R/A TRACER SURVEY TO CHECK TOP PERFORATION AND PACK INTEGRITY. R/A TRACER CHECKS TOP PERFORATION AND PACK LOGS BELOW